



# Computer Information Systems Advisory Committee Meeting

Monday, April 26, 2021 3:00 - 4:00 p.m.

# AGENDA

Where We Are. Where We're Going.

Identifying Strengths,  
Weaknesses,  
Opportunities and  
Challenges

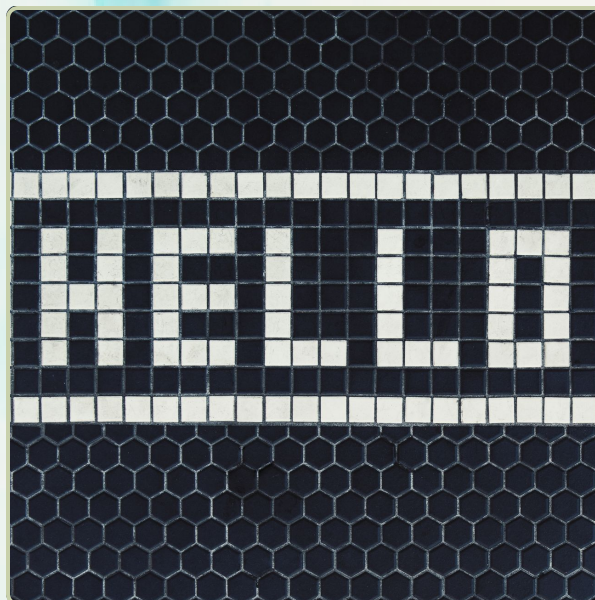


Priorities  
New information  
Current industry  
landscape

Occupations  
Reported Median  
Wages  
Ave Job  
Openings

Enrollment  
Instruction  
Opportunities for  
Growth

Network and  
Computer  
System  
Administrator  
Information  
Security Analyst  
Web Software  
Programming



# Who are you?

Please share your name, role, organization.

# College Updates and COVID Impact.



PROGRAMS



ENROLLMENT



STUDENT  
OUTCOMES

# CAREER EDUCATION AND WORKFORCE DEVELOPMENT GOALS

Prepare students and individuals with skills for 21st century jobs, careers, and the future of work.

## Degrees and Certificates

- Create Pathways & Support Momentum

## Short Training & Workforce Development

- Respond In-Time to Labor Market Needs and Connect to Employment

## Non Credit Education

- Ladder and Bridge to Basic Skills, Work, and Credit

HELP STUDENTS BUILD AN ENTREPRENEURIAL MINDSET

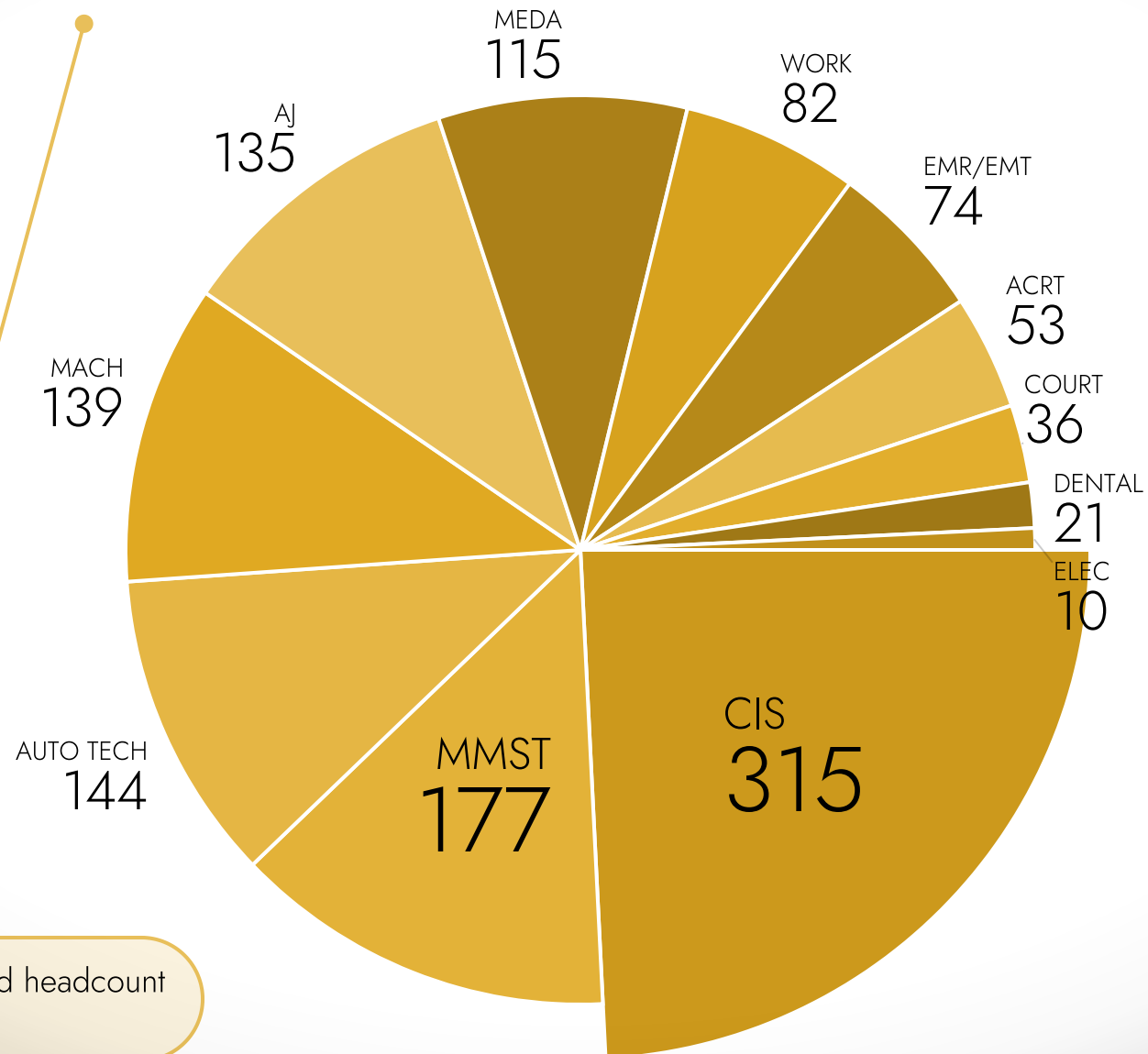
# Career Education: Programs

<http://workforce.marin.edu>



- Administration of Justice
- Auto & Industrial  
Auto Collision Repair; Auto Technology; Electronics; Machine & Metals
- Computers & Multimedia  
Computer Information Systems; Graphic Design; 3D, Video, Game Dev; Web Design and Development; MS Office Specialist Certification
- Court Reporting
- Health Sciences  
Dental Assisting; Emergency Medical Technician Training; Medical Assisting;
- Organic Farming
- Education 2 Career (E2C)
- Summer Career Academies
- Short-Term Career Training Programs (12 Weeks) NEW  
Office Technology; Marketing; Business Management; Accounting; Web Design/Dev.; Servsafe; Customer Services

# ENROLLMENTS BY PROGRAM



Academic year 2019-2020 unduplicated headcount by program

# EMPLOYMENT DATA

18 months after college completion

85% Target

77%



Found a job very closely or closely related to their field.

23%



Reported job is not closely related to their field.



## PRIORITIES AND CURRENT LANDSCAPE

# Advisory Member Share Outs & Discussion

What has this last year looked like for your field?



### Staffing and Recruiting

- Where do you find your candidates?
- What wages can be expected for entry level positions?



### Community Partnership & Impacts

- How should we best prepare our students to qualify them as viable candidates for companies/organizations you belong to?



### Training & Professional Development

- What are the skills required? For which levels?
- Any emerging technology skills that should be considered?



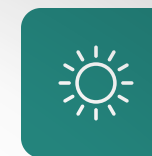
### Needs and Priorities

# Labor Market Information and Sector Overview

Heather Rahman, Workforce Specialist

# Labor Market Information

Source: Centers of Excellence Demand Tables  
<http://coeccc.net/>



Bright  
Outlook!

## 1 Network and Computer Systems Administrators

- Number of Job Openings will grow 6.3% by 2023
- Average 742 jobs/year in Bay Area
- Average annual salary is \$95,442
- Job titles: Info. Tech Specialist, LAN Specialist, LAN Coordinator, or LAN Admin

## 2 Information Security Analysts

- Number of Job Openings will grow 16% by 2023
- Average 251 jobs/year in Bay Area
- Average median salary is \$107,250
- Job titles: Info Security Officer, ISSO, IT Specialist

## 3 Web Developers

- Number of Job Openings will grow 12.7% by 2023
- Average 736 jobs/year in Bay Area
- Average annual salary is \$81,600
- Job titles: Web Programmer, SEO Specialist, Web Developers

## 4 Microsoft Office Skills

- Needed in MOST Occupational Sectors
- Primary occupations: Administrative Assistance, Office Managers, Entrepreneurs, Receptionists, Bookkeepers, Data Management positions, etc.

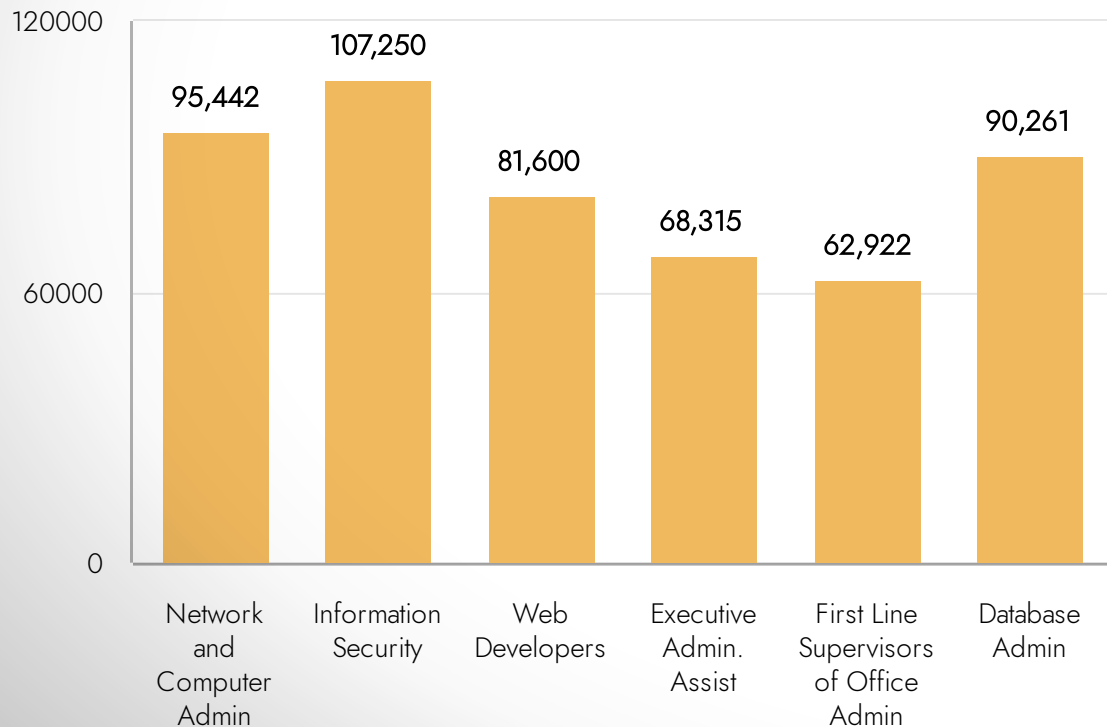


# Labor Market Information

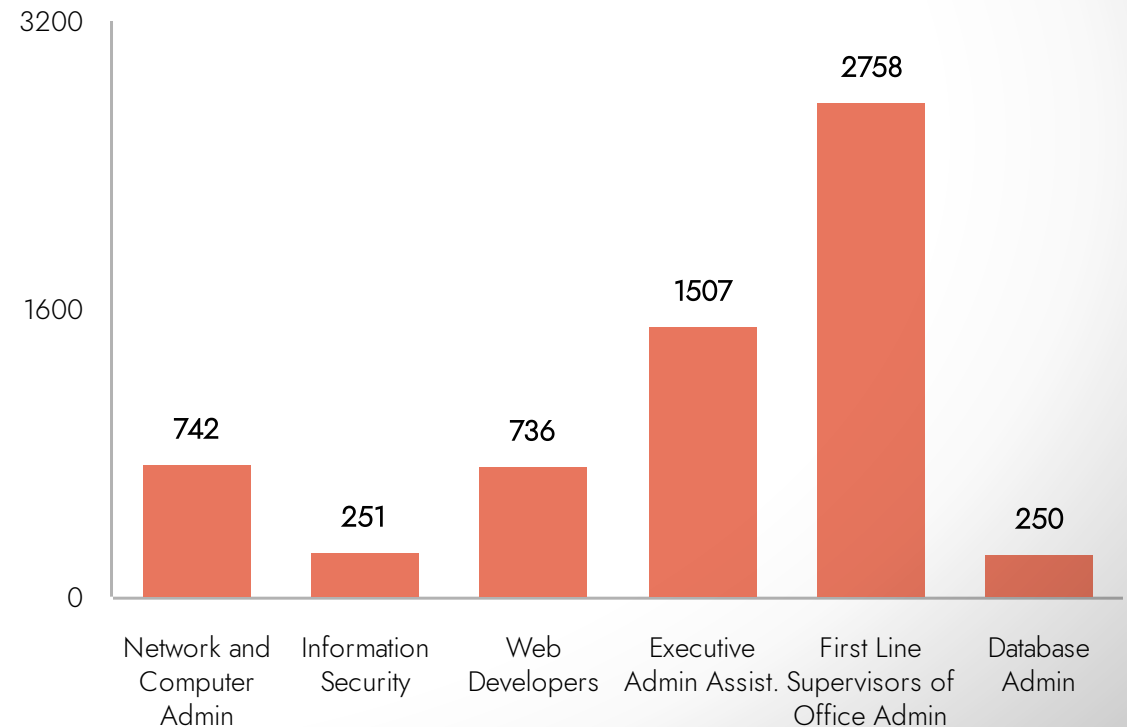
Bay Area Counties: San Francisco, Marin, Napa, Sonoma, Solano, Contra Costa

Source from Centers of Excellence  
All of Bay Area, 2018 - 2023

Median Annual Wages Reported for 2018



Average Annual Number of Job Openings projected through 2023



<http://coecc.net/region/bayarea.aspx>

# Program Overview and Updates

Lance Barthelemy, CIS Instructor

# Growth, Changes, and Opportunities



## COURSES

Current MS Office classes  
(Excel, Word, Access, and  
PowerPoint)

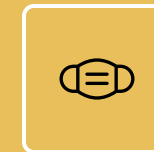


Integration of GMetrix  
interactive software –  
student approved



## ENROLLMENT

MOS Certification growth  
2017: 12 awards to 2020:  
24 awards



Pandemic Issues –  
format (video),  
assignments, and  
exams at home



## STUDENT OUTCOMES

Improvements + Student  
Requests – Advanced  
Excel and MS Outlook



Expanding with New  
Certificate and Class  
offerings

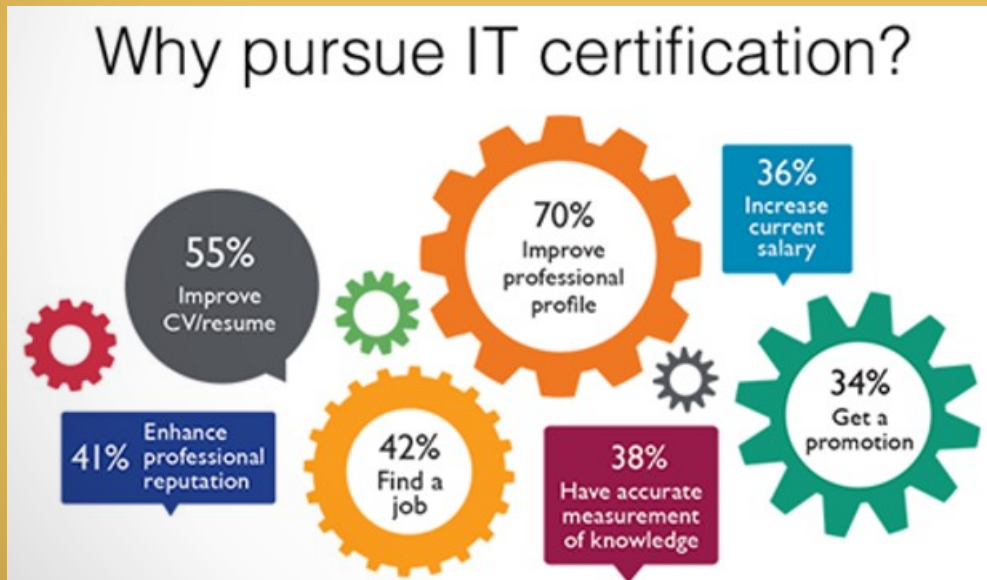
# New Certificate Proposals

Manny Kang, CIS Instructor

# Why are we creating these certificates?

## Evidence of Need

- High technical skilled professionals needed in SFO Bay area
- Tech companies are looking to hire IT professionals because demand is high and there aren't enough qualified workers to fill the gap.
- A Variety of Career Opportunities
- From healthcare to agriculture, digital transformation is driving change in all spheres of business which allows IT professionals to choose a career that aligns with their interests.
- Easy Career Growth
- As technology improves, IT professionals evolve alongside it. It's a job requirement.
- It Pays Well
- Tech professionals are esteemed for their unique skill sets.
- A Reasonable Education
- Every job in the IT industry requires a unique set of skills.





## THREE PROPOSED CERTIFICATES



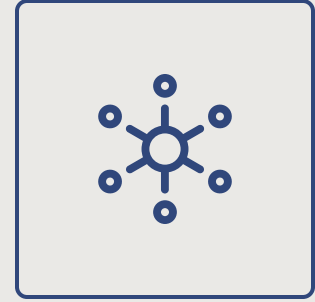
### Network & Computer System Administrator: 7.5 Units

- CIS 126: Introduction to Windows: 1.5 Units. 1 lecture and 1.5 lab hrs/wk. No prerequisite.
- CIS 155A : Systems and Network Administration: 3 Units. 2 lecture and 3 lab hrs/wk.
- CIS 275: Networking Fundamentals and Practices : 3 Units. 2 lecture and 3 lab hrs/wk. No prerequisite.
- This Certificate prepares students for Comptia Network+ Certification.



### Information Security Analyst Certificate: 7 Units

- CIS 120: IT Essentials: PC Hardware and Software: 4.0 Units. 3 lecture and 3 lab hrs/wk. No prerequisite
- This Certificate prepares students for Comptia Security+ Certification.
- CIS 160: Introduction to Information Systems Security: 3.0 Units. 2 lecture and 3 lab hrs/wk. No prerequisite. Advisory: CIS 275.



### Web Software Programming: 8 Units

- CIS 101 : Introduction to Personal Computers and Operating Systems : 1.5 Units
- CIS 215 Visual BASIC Programming 3.5 Units
- CIS ServerSide Programming Technologies for the Web (Needs to be developed) 3.0 Units
- This Certificate prepares students for CIW E-Commerce Specialist Certification.

# Discussion

Please Share Your Thoughts

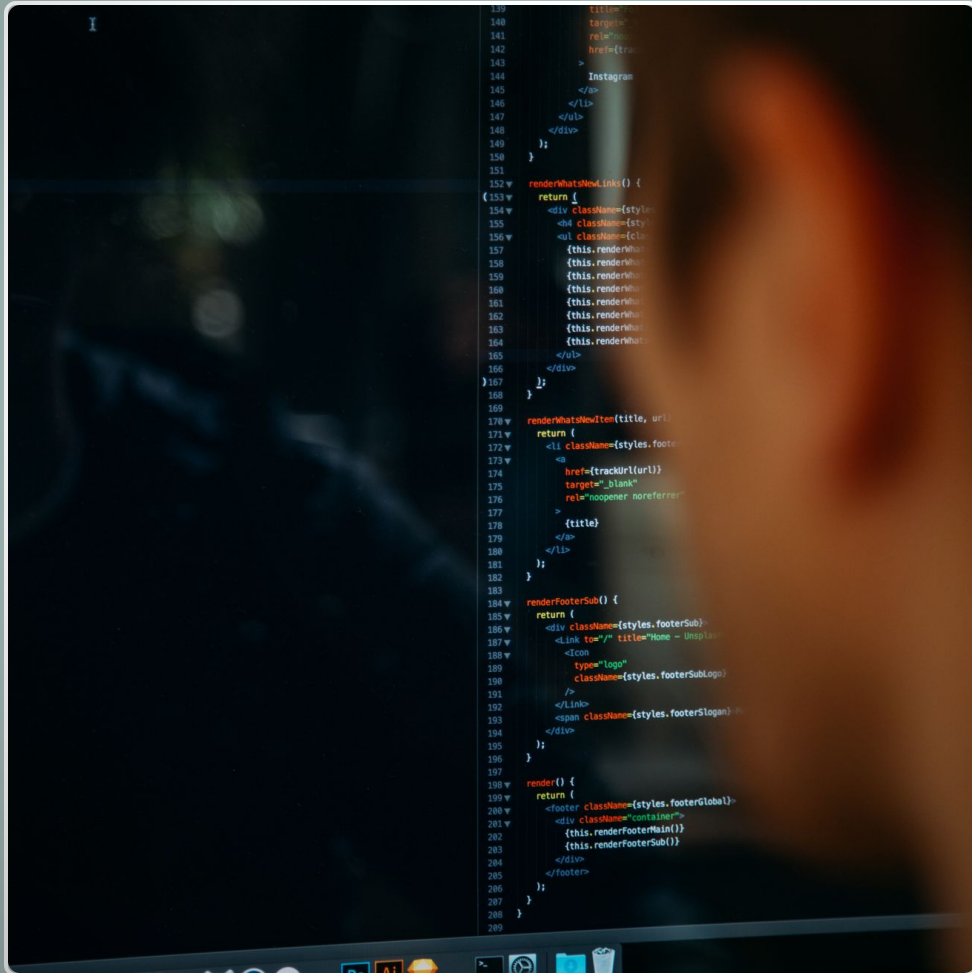


## Are these the right courses and certificates?

- What are we missing?
- What might we add/remove?
- What would help students be competitive candidates?
- What careers are available?
- Any emerging technology or key skills that should be considered?
- What wages can be expected for entry level positions?
- How do we best prepare students to be viable candidates for companies/organizations like yours?

# Discussion

Please Share Your Thoughts



```
130         title=""
131         target=""
132         rel="noopener noreferrer"
133       >
134     </li>
135   </ul>
136   </div>
137   </div>
138   </div>
139   </div>
140   </div>
141   </div>
142   </div>
143   </div>
144   </div>
145   </div>
146   </div>
147   </div>
148   </div>
149   </div>
150   </div>
151   </div>
152   </div>
153   </div>
154   </div>
155   </div>
156   </div>
157   </div>
158   </div>
159   </div>
160   </div>
161   </div>
162   </div>
163   </div>
164   </div>
165   </div>
166   </div>
167   </div>
168   </div>
169   </div>
170   </div>
171   </div>
172   </div>
173   </div>
174   </div>
175   </div>
176   </div>
177   </div>
178   </div>
179   </div>
180   </div>
181   </div>
182   </div>
183   </div>
184   </div>
185   </div>
186   </div>
187   </div>
188   </div>
189   </div>
190   </div>
191   </div>
192   </div>
193   </div>
194   </div>
195   </div>
196   </div>
197   </div>
198   </div>
199   </div>
200   </div>
201   </div>
202   </div>
203   </div>
204   </div>
205   </div>
206   </div>
207   </div>
208   </div>
209   </div>
210   </div>
```

## Future Opportunities

- Cyber Security - Information Technology Certificate/AS Degree.
- Data Analytics - CIS Certificate/AS Degree.

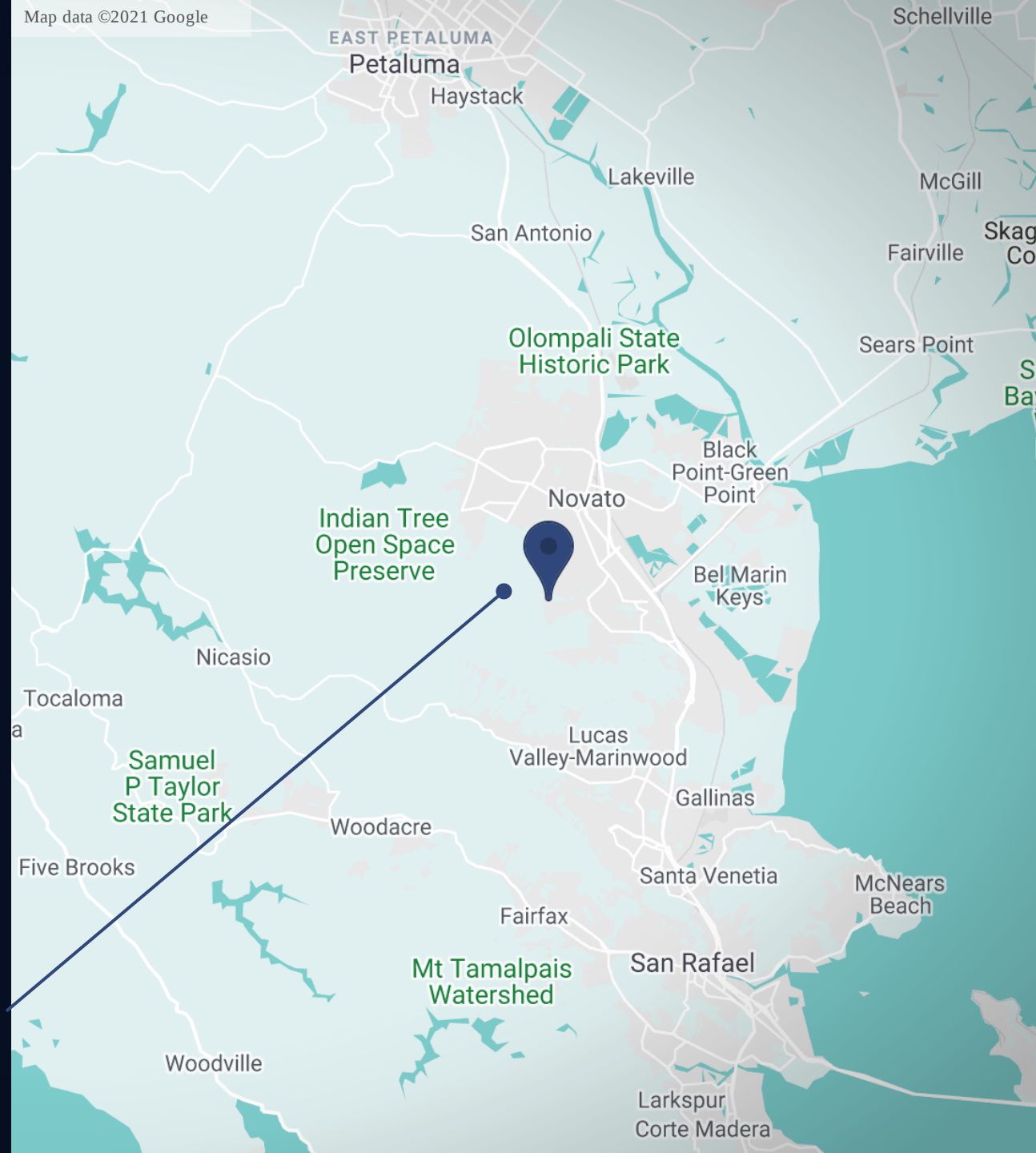
# Summary/Wrap-up

Thoughts? Questions?

NEXT STEPS



# Thank You!



Indian Valley Campus

