

Ray Altenberg

rayaltenberg@berkeley.edu | 925.878.5238

EXPERIENCE

FORD MOTOR COMPANY | PRODUCT DEVELOPMENT INTERN

Jun 2020 – Aug 2020 | Dearborn, MI

- Worked on Autonomous Vehicles and Advanced Driver Assistance Team, developed vehicle test data software, designed testing PCBs, and researched AV technology.
- Used: Matlab, Arduino, Java/Swing.

BIO-RAD LABORATORIES | SALESFORCE ANALYST (INTERN)

Jun 2019 – Aug 2019 | Hercules, CA

- Worked on Agile Apps CRM Team improving, validating, testing internal tools.
- Used: APEX, SOQL, VisualForce, VLookup, Macros

UCSF RBVI | SOFTWARE DEVELOPMENT INTERN

May 2018 – Aug 2018 | San Francisco, CA

- Developed Dynamic VR Molecule Visualization tool.
- Used: C#, Unity, Pubchem, XML, MS Voice.

ACALANES UNION SCHOOL DISTRICT | TECH INTERN

Jul 2017 – Aug 2017 | Lafayette, CA

- Implemented new network hardware/infrastructure
- Developed time-saving workflows, improving efficiency up to 500%

EXTRACURRICULARS

UC BERKELEY SOLAR CAR TEAM | OPERATIONS DIRECTOR

Sep 2017 – Present | Berkeley, CA

- Led logistical operations, public relations, media production, business relations for 75+ person team.
- Organized multiple crowd-funding campaigns (\$45k+ revenue) and secured major corporate sponsorships (\$25k+).

UC BERKELEY IEEE | MARKETING DIRECTOR

Sep 2017 – Present | Berkeley, CA

- Run marketing operations and training sessions.
- Create branding assets and marketing materials.

PROJECTS

MAP SCAN | MACHINE LEARNING FOR STREET VIEW OBJECT RECOGNITION

- Utilized Machine Learning to classify and tag objects from street view images.
- Used: Javascript, Algolia, Clarif.ai, Vue.js

GRAVITY GAMES | 3D PRINTING CUSTOM GAMES ON INTERNATIONAL SPACE STATION FOR ASTRONAUT ENGAGEMENT

- Led team in design and development of first "Gravity Game" printed on International Space Station.
- Co-Authoring paper+abstract for ISSR&D, AIAA Space conferences.

EDUCATION

UNIVERSITY OF CALIFORNIA BERKELEY

MAJOR: COMPUTER SCIENCE

MINOR: MECHANICAL ENGINEERING

Expected May 2021 | Berkeley, CA

Cum. GPA: 3.48 / 4.0

SKILLS

PROGRAMMING

Proficient:

Java • C# • Python • MATLAB

Familiar:

R • JavaScript • C • Scheme

SQL • Risc-V • C++ • APEX

TECHNOLOGY

Git/Github • Vue • UNIX/Linux

Autodesk Illustrator • Salesforce

Android Studio • Latex • Unity • Arduino

DESIGN/MANUFACTURING

Fusion 360 • Soldering • Laser Cutter

Autodesk Inventor • PCB Design (KiCad)

Drill Press • 3D printing (SLA, FDM)

CNC • Lathe • Mill

AWARDS/CERTIFICATES

• 2020 | 1517 Grant | Hack'20 (University of Washington)

• 2020 | Twilio, PwC, UiPath Prizes | LA Hacks (UCLA)

• 2020 | Best Sustainability Hack | CalHacks (CalTech)

• 2018 | Best Use of Algolia | CalHacks (UC Berkeley)

• 2017 | People's choice | Robotics @ Berkeley

• 2017 | ROP Biotech Certified

• 2017 | State Champion Computer Problem Solving | FBLA

• 2017 | 1st Place Cyber Security | Bay Section FBLA

• 2016 | CS ROP Certified

LINKS

Github:// [missingno01](#)

LinkedIn:// [rayaltenberg](#)