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ALEXANDER SUNG

SOFTWARE ENGINEER

/ DETAILS

San Francisco Bay Area

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>> (650) 242-6163

/ SKILLS

>> **Languages**: Python (Django), C, C++, Javascript (ES6, React, Vue, Node.js), Java, HTML, CSS, MySQL
>> **Tools used**: Git, Bash, GCP, Heroku, Flask
>> **Databases**: Google Firestore (NoSQL)
>> **Libraries**: Bootstrap, Bulma, OAuth2.0, TensorFlow, AntD, PyTorch, Pandas
>> **Management**: Agile Development, Scrum, Jira
>> **Soft**: Adaptability, Analytical Thinking, Attention to Detail, Flexibility, Highly Organized and Efficient, Communication and Interpersonal, Leadership, Teamwork

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/ WORK EXPERIENCE

>> Apple Maps Drive Tester
Apex Systems | Aug 2019 to Sep 2019
- Sampled navigational drive test data to improve Apple Maps shortest path algorithm.
- Recorded and analyzed reports of actual drive time to destination using Apple Maps, Google Maps, and Waze.
- Compared efficiency of map applications with real-world driving routes between 10 and 30 minutes.
- Drove car in all traffic conditions 8+ hours per day over 3-week consecutive period.

>> College Guide
UCSC Activities Office | May 2018 to Jun 2019
- Collaborated with team members to provide 17,000 students a unique move-in experience.
- Served on planning committee and created events for HOPE International Music Festival, captivating 1,500+ students.
- Organized and led all-day icebreaker events for 600+ students.

>> Guest Services Associate
Target | Jun 2017 to Aug 2019
- Assisted average of 70+ customers per day with locating products, answering inquiries, handling returns and correcting price mistakes.
- Helped team members when store managers are unavailable, often covering breaks/lunches.
- Provided exceptional services to consistently exceed sales goals by 20% every month, while ensuring client retention.

/ PROJECTS

>> Frydge | Full-Stack Developer | View Project
JavaScript (React), CSS (Ant Design), GCP Firestore, Jira, Agile
- Collaborated on full-stack application with group (5) to store, manage, and display users' household food items.
- Led as Scrum Master, maintaining burn-up charts and ensuring completion of 7 user stories in 1 Sprint.
- Deployed release version 1.0 after four two-week Sprints.
- Scaled application to support 2,000+ queries daily on NoSQL Firebase database.

>> Google Keep Clone | Full-Stack Developer
Python, MySQL, JavaScript (Vue), HTML, CSS (Bulma), OAuth2.0
- Implemented full-stack application with OAuth2.0 user authentication.
- Created database features allowing users' to 'star' notecards and order by favorites.
- Added back-end interactions using JSON requests, allowing users to type, save, and change color of note instantaneously.
- Optimized security to deploy signed URLs and apply user-checking to prevent SQL injection attacks.

/ EDUCATION HISTORY

>> University of California, Santa Cruz
B.S. Computer Science | Sep 2017 to Jun 2021
  Minor: Bioinformatics
  Awards: College Service Award (2020)
Relevant Coursework:
  Algorithms and Data Types, Applied Machine Learning, Assembly Language, Computational Models, Computer Architecture, Computer Systems Design, Embedded Operating Systems, Probability Theory, Web Applications