

DAVID SONG

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SKILLS

Technical: Java, Python, C++, HTML/CSS, Swift, JS, Pandas, Dart, Flutter

Professional: Leadership, Event Management, Innovation & Futureproofing, Design Thinking

EDUCATION

Stanford University

Stanford, CA

BS Computer Science: AI Track GPA: 3.875

Sep 2018 - Jun 2022

Granite Bay High School

Sep 2014 - Jun 2018

EXPERIENCE

Surreal

Stanford, CA

Software Developer

Sep 2018 | Present

- Prototyped AR iOS social platform to share geolocalized and persistent 2D drawings in real time
- Led team of four in need finding and rapidly iterating over prototypes
- Integrated VC, mentor, and customer feedback into solutions

Granite Bay Robotics

Granite Bay, CA

Team Lead

Sep 2012 | June 2018

- Developed autonomous robot programs using PID feedback loops and OpenCV
- Managed 50+ engineers in prototyping, building, and shipping a robot for FRC
- Planned operations for technical training and fundraising the \$30,000 yearly budget
- Integrated and developed custom mechanical, electrical, and digital systems for robot mechanisms

10x Consultancy

Roseville, CA

Software Developer

May 2018 | August 2018

- Designed and implemented custom web designs w/ Bootstrap
- Maintained WordPress websites and managed Debian VPS droplets on Digital Ocean to host websites and services

GB Summer Camps

Granite Bay, CA

Director

Feb 2015 | Sep 2017

- Managed volunteers and ran operations to admit and teach 100+ students
- Created and taught curriculum for programming, engineering, and entrepreneurship classes
- Raised over \$20k in funds for nonprofits in the community

PROJECTS

Stock Trade Performance Analyzer *Python, Pandas, Flask, Web Scraping*

Developed MarketWatch P&L trade analysis tool to visualize performance over time. Reconstructed stock values over time to graph performance using 3rd party Yahoo Finance API.

Life Glass Mac App *Swift, Objective C*

Implemented a menu bar tool to track and calculate time based on age. Stored user data in persistent data storage between sessions.

Odd Even Betting Decentralized Application *JS, HTML / CSS, Nebulas*

Developed a decentralized application on the Nebulas blockchain for 50/50 betting. Designed web interface to interface with the Dapp using the Nebulas.js library.

COURSES

CS 107E: Computer Organization and Systems (C++)

Jan 2019 - Mar 2019

CS 106B: Programming Abstractions (C++)

Sep 2018 - Dec 2018

ME 410: Innovation and Foresight by Bill Cockayne

Sep 2018 - Jun 2018

AP Computer Science A (Java)

Sep 2018 - Jun 2018

Stanford Summer Collegiate Robot Programming (Python)

Jun 2015 - July 2015