Howard Ting
Software Developer

CONTACT
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LANGUAGES
(Native) English
(Fluent) Mandarin
Spanish
French

PROGRAMMING
JavaScript, Python, VBA
HTML5, CSS3

MISC. TOOLS
scss, jQuery, Node
Express, React, Flask
PostgreSQL, Heroku
Java, C[++|#], Excel
Android Studio, Unity
Git, Sublime, Slack
LaTeX, Linux, pandas
numpy, Anaconda
Jupyter Notebook
Keras, TensorFlow

SKILLS
Computer Science
Software Engineering
Project Development
Communication
Pedagogy

OTHER
USMC, Active (2018)
Student Council (2016)
GDC, UCSC (2015-2017)

INTERESTS
Economics, math,
project-development,
psychology, science,
technology, teaching
running, learning, piano,
reading, writing

EDUCATION

2013–2017   Bachelor of Science, Computer Science   *University of California, Santa Cruz*

- *Courses:* Algorithms & Abstract Data Types, Fundamentals of Compiler Design, Computational Models, Operating Systems, Algorithm Analysis, Probability Theory, Data Structures, Comparative Programming Languages

EXPERIENCE

2019–Now   Developer, USMC Innovation Cell   *San Jose, California*

- Wireframed & implemented inventory CRUD GUI app over requested Excel database & object models via VBA as alternative to current systems. Implemented similar VBA Excel script UI for roster accountability w/ generic scanner hardware.
- Wrote scripts for drone initiative team to help develop & test flight on different drone bodies (e.g. blended wing, quad/hex/octo); used ArduPilot software
- Experienced in data-analysis, built regression models w/ Google's tensorflow to develop predictions for breakage of USMC equipment
- Authored proposal for logistics resource allocation prediction engine & related UI which garnered a total of $120000 in funding. Managed pre-development cycles and team via Slack, G+, Atlassian Jira
- Vetted potential additions to the Cell with an eye for competence, drive, potential and productive capacity

2017   Developer, PoliceStrategies   *Santa Cruz, CA*

- Helped employer/entrepreneur prototype an app idea called Calm Stop with team of 5; extensive scrumming & sprinting. App is designed to enable remote communication and profile exchange between two app users during traffic stops, giving citizens data on the officer conducting the stop (e.g. crowd-rating of officer, officer service history, etc.) and giving officers data on the citizen being stopped (e.g. criminal records, past charges, etc.)
- Developed login UI and backend authentication, chat UI, and photo-upload module
- Technologies: Java, Android Studio, Firebase, Slack, Github, G+

2017   Tutor, UCSC Learning Support Services   *Santa Cruz, CA*

- Prepped students for assignments and tests with weekly lesson plans
- *Courses tutored*: Introduction to Compiler Design, Introduction to Algorithm Design

MISC.

2018-2019   USMC: Active Duty Training   *San Diego, CA – Fort Lee, VA – Okinawa, Japan*

- Bootcamp, Combat Training, MOS Training; Mar. 2018 – Apr. 2019