

VINCE CHANG

Major: Computer Science, B.S
Level: New Grad
Field of Interest: Software Engineering

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Portfolio: <https://vincehacks.github.io>

WORK EXPERIENCE

Software Engineering Intern, DIRECTV, El Segundo, CA, June 2016 - Sept 2016

- Performed notification software testing for NFL Sunday Ticket on iOS & Android
- Measured system performance and stress-tested servers using JMeter
- Monitored throughput, response time, cpu/memory, % error traffic load balancing on VM clusters using AWS
- Updated tasks and requirements during SCRUM

Computer Science Tutor, UCSD, San Diego, CA, March 2015 - June 2016

Software Engineering; Intro to Computer Science: Java; Software Tools Lab

- Assisted students with basic concepts in software development and agile methods, design, implementation, testing & debugging
- Monitored lab hours that focused on: Unix, GIT, Python, debugging, Object-Oriented Programming

Instructional Assistant, UCSD, San Diego, CA, Jan 2016 - March 2016

Usability and Information Architecture

- Designed curriculum that emphasized on UI/UX, A/B Testing, and low/high fidelity prototyping using Axure, Balsamiq, Invision, Sketch, Photoshop
- Guided students with building web portfolios in HTML, CSS, JavaScript through Bootstrap Framework

TECH SKILLS

- Agile Methods
- OO Design
- NodeJS/Express
- Android
- Debugging
- Github
- MVC
- UML Diagrams
- A/B Testing
- Hack-a-thons
- SCRUM

LANGUAGES

- Java
- C++
- HTML
- CSS
- JavaScript
- Python (WIP)
- Ruby (WIP)

COURSES

- Software Engineering
- Data Structures
- Design & Analysis of Algorithms
- Operating Systems

PROJECTS

Destination Boba (WIP) Skills: NodeJS, Express, HTML/CSS/JS, MongoDB

- Individual full-stack, responsive website built with NodeJS
- Directory of establishments around the Bay Area stored in MongoDB
- Users given the functionality to input new places using HTML forms

Smart Leg Skills: Arduino C, Arduino IDE & API, Soldering

- Created exoskeleton prototype to help aid people recovering from leg paralysis
- I programmed an Arduino circuit board to instruct rotation on motors depending on amount of force recorded from muscle sensors.

Iron Orr Gym Website Skills: Optimizely, Google Analytics, A/B Testing

- Increased web traffic by 20% by designing different UI on gym website
- Analyzed before/after A/B testing results through Optimizely and metrics through Google Analytics
- Layout design attracted more members to sign up for consultations and memberships in the span of 10 weeks

EDUCATION

University of California, San Diego, CA, September 2014 - March 2017

- Computer Science, B.S