Ivan Chen

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EMPLOYMENT OBJECTIVES

I aspire to get a summer internship that relates to software engineering or data science. My objective of the internship is to be given the opportunity to explore my passion in computer science and learn all the company has to offer.

EDUCATION

University of Southern California, Los Angeles, CA

Computer Science (*BS) May 2018 GPA 3.3*

Relevant Coursework:

- ❖ **Previous:** Data Structures and Object Oriented Design, Discrete Methods in Computer Science, Intro to Embedded Systems, Foundation of Digital System Design, Probability Theory, Drugs and Behavior **Current:** Algorithms and the Theory of Computing, Intro to Artificial Intelligence, Principles of Software development

Extracurricular:

USC ACM (2015-present), ACM^2 (2016-present), AAAI (2016-present), USC Hackers (2016 – present), MESA (2013-2015), USC Hyperloop (2016)

Awards:

USC Viterbi Dean's List Spring 2016, Phi Theta Kappa Honor Society

SKILLS

- ❖ **Programming Languages:** Java (proficient), C++ (proficient), C (knowledgable), mySQL (knowledgeable), HTML/CSS (fair), MIPS assembly (fair), R (fair)
- ❖ **Software:** Git, mySQL, Adobe Photoshop, Microsoft Office Suite, Xilinx Design Suite, Android Studio, R Studio
- ❖ **Spoken Languages:** English (native), Cantonese (working knowledge)

EXPERIENCE

Research:

- ❖ **Teamcore –** *Researcher (2016-present):* University of Southern California
  http://teamcore.usc.edu/ | Protecting animals and their habitat against illegal activities
  - ❖ I analyzed R data for animal density and their habitat
  - ❖ Generated data for different discretization levels

Projects:

- ❖ **H** – *Programmer (2016 – present)* | Worked with four other people to create an Android app called H that makes an easy process of directly donating items to refugees, homeless, and others in need.
  - ❖ Created the login logic with mySQL and REST API for server communication.
  - ❖ Added security by using MD5 for hashing passwords
  - ❖ Implemented Facebook Login API for convenient sign up and logins
- ❖ **Jeopardy (2016)** – A GUI game that implements the rules of Jeopardy
  - ❖ Used Java Swing for the backend for the GUI
  - ❖ Implemented a login using mySQL as a database
  - ❖ Created multiplayer functionality using networking
- ❖ **Facile** – Implemented a graphical interpreter for a custom 12 command facile language using C++ and Qt (2016)
- ❖ **Website** – Created a personal websiteusing HTML5/CSS3 (2014) https://electeic.github.io/
- ❖ **Calculator** – Created a calculator app using Swift (2016)
- ❖ **Puzzle Generator** – Used Artificial Intelligence techniques like hillclimbing and gradient descent to find an unique, optimal, and challenging puzzle for the user to solve (2016)

Wing Fa Market, Sacramento– *Clerk* (2013-2015)

- ❖ Handled transactions, kept records of profits and sales throughout the week using Excel, greeted and attended to the needs of the customers, restocked and delivered goods to client.