

Felix Chan

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Education

University of California - Davis

Sep 2014 - Dec 2017

Major : Chemical Engineer (B.S.) Minor : Computer Science (CS GPA: 3.52)

De Anza College (GPA : 3.63)

Sep 2011 - Jun 2014

Skills and Programming Languages

Proficient

C, C++, Java, MATLAB, SQL, LaTeX, Data Structures, Algorithm Designs, Data Analyst, git, UNIX

Comfortable

JQuery, JSP, Javascript, HTML/CSS, Twitter Bootstrap, Rust, Android Studio

Experience

Software Engineering Intern: NetStar Solution

Macau, CN

Summer internship on database management at NetStar Solution

Aug 2016 - Sep 2016

- **Java (Eclipse)** - Wrote test cases and tested the UI for Quality Assurance to increase website efficiency and bug checks
- **JavaScript/CSS** - Implemented and improved some features regarding user experience and interface for multiple products

Android App Developer : Personal Business

Cupertino, CA

Team member of a social app development for elderly health care

Dec 2016 - Feb 2017

- **Java** - Modified and incorporated the GUI components of an open source Android app (Musubi)
 - **Java** - Utilized RabbitMQ to implement the messaging protocol of the application
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Projects

Airplane boarding simulator

Apr 2017 - May 2017

- **C++** - Creator of a program that simulated real life boarding with different boarding methods
- Program proved that the current boarding method is the most inefficient compared to other proposed methods

Handwritten numeral recognizer

Feb 2017 - Mar 2017

- **MATLAB** - Creator of a program that recognized handwritten numbers via scanned images
- The program successfully recognized 95% of the handwritten numbers data obtained from the post office

Steganography

Nov 2016 - Dec 2016

- **MATLAB** - Team lead of three people for a steganography project in MATLAB which allowed users to hide one or multiple messages or images within an unsuspected image
- Implemented a GUI for users to easily select an image, hidden messages, and decoding method

Match-Three Puzzle Game Prototype

Dec 2014 - Jan 2015

- **Java (Android Studio)** - Creator of a successful, working prototype for a match-three puzzle game that works similarly to a popular phone game Puzzles & Dragon
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Extracurricular Activities

- Member of AICHE (American Institute of Chemical Engineers)
- Member of UC Davis table tennis club
- Overwatch Tespa collegiate competitive top 12 in North America (Spring 2017)
- Ranked top 0.5% in Overwatch Competitive