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San Jose CA 95126

HONG JOON CHEW

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EDUCATION

San Jose, CA   **San Jose State University**   **Expected: December 2018**
- B.S. in Software Engineering
- CGPA: 3.69

SKILLS

- Language: Java, SQL, Python, Swift, Ruby on Rails
- Technologies: GitHub, Amazon Web Services (AWS), Eclipse IDE, Xcode, Sublime Text 3, Notepad++, OpenCV, Heroku, MySQL, Postman, Spring (Java), HTML, CSS
- Management Technologies: Slack, Agile Methodologies, Trello
- Operating Systems: Windows, macOS, Linux
- Fluent in English, Mandarin and Malay

PROJECTS

Financial Transactions Web Application (August 2017 – December 2017) **(Database Class Project)**
- Developed a financial transactions web application mock up with login feature similar to Venmo
- Technologies: Java Spring (Boot, Security, Web, JDBC), MySQL, Heroku, HTML/CSS
- Team lead and full-stack developer of the application's development
- Performed analysis and troubleshooting of bugs within web application features

Image Recognition Software for Fish Identification (August 2017 – March 2018) **(Senior Project)**
- Developing a machine learning model that identifies fish species inside murky waters using Caffe model
- In collaboration with a team of IBM researchers on plankton identification
- Performed technical analysis and research on ideal machine learning and deep learning algorithms
- Software Lead of a group of 5 engineering students
- $3,000 Endorsement by IEEE
- Technologies: Python, OpenCV, PyQt5, Amazon Web Services, Caffe
- Developed the front-end of the desktop application using PyQt5

Event Scanner iOS Application (January 2017 – May 2017) **(Mobile Development Class Project)**
- Created an iOS application that shows users a list of events around the area
- Technologies: Swift, Xcode, MapKit, AWS DynamoDB, iOS, Google Maps, Facebook Authentication
- De facto leader making software implementation decisions
- Implemented AWS DynamoDB as a database that stores events and coordinates

Class Review Web Application (August 2016) **(Software Engineering Class Project)**
- Created a web application that aggregates reviews, syllabi, and textbook information
- Technologies: Ruby on Rails, AWS S3, SQLite
- Heroku deployment
- Implemented feature that allows users to store PDF file types onto cloud

Paging Simulation (August 2016) **(Personal Mini-Project)**
- Script that runs a simulation of page replacement algorithms that are commonly used.
- Presented to a Computer Architecture class of 20 students
- Technologies: Python

PREVIOUS EMPLOYMENT

Student Assistant, EE   **San Jose State University**   **Spring 2016 – Summer 2017**
- Implemented CloneDeploy, an OS imaging software that stores and clone laboratory images, improving cloning efficiency by 50%.
- Assisted faculty and professors in maintenance and laboratory repairs to ensure 90% uptime.

ADDITIONAL EXPERIENCE AND AWARDS

- **Dean's Scholar** – Scored above 3.65 GPA for two consecutive semesters (Spring 2016)
- Candidate member for Tau Beta Pi Engineering Honor Society