

Samuel Jih

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## Education

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Pomona, CA

Cal Poly Pomona

Sept 2013 – June 2016

- B.S. in Computer Science, 3.3 GPA
- Coursework: Algorithms, Data Structures, OOP (Design Patterns), AI, Databases, Unix Scripting, Android Development, Networks, GUI, OS, Assembly Programming, Software Engineering (Web Services)
- Computer Science Society student club member

## Employment

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Abilene, TX

U.S. Air Force, Avionics Systems Technician

May 2007 – May 2011

- Attention to detail – Found numerous discrepancies from aircraft integrated maintenance database system
- Ambitious learner – Achieved awards for outstanding academic achievement and early promotion, showing a true desire to excel
- Dependable – Held government secret clearance for 4 years
- Patient and steadfast – Solved difficult malfunctions of grounded aircraft by finding root causes as others gave up
- Positive attitude – Motivated the team, allowing productivity to soar

## Experience

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- MEAN stack web service to add, edit, and delete to-do list items
- [Hugg](#) Android app on Google Play store using Google Maps API
- Notepad and Calculator GUI programs using Java Swing
- 8-puzzle artificial intelligence Java project using A\* algorithm with two heuristics
- Java client program for playing Tic-tac-toe across a network using TCP
- Web service group project with Spring Boot, Amazon Web Services, Jenkins, GitHub
- SQL queries and relational database schema design in MS Access to keep track of students, classes, and enrollment

## Skills

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- Languages: Java; C++; Python; some MySQL and PHP; Unix shells
- Web Development: HTML5/CSS3; JavaScript; jQuery; Bootstrap; MEAN stack: AngularJS, Express, Node.js, MongoDB; Mongoose; Spring Boot framework
- Programs, Services, Technologies: npm; Gulp; Android Studio; Amazon Web Services; Jenkins continuous integration; GitHub version control; JUnit testing; HTTP; AJAX; JSON; XML
- Concepts: Agile development; test-driven development;