

KATRIEL CHIU

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SUMMARY

Motivated and passionate individual with programming experience and strong mathematics. To obtain a position in the field of software engineer/mathematics, where my knowledge and skills will add value to achieve organizational goals, and willingness to learn and develop new skill sets in order to deliver the best performance.

EDUCATION

University of Hawaii at Manoa, Honolulu, HI

B.S. Computer Engineering Aug 2011 - Dec 2015
Minor Computer Science Aug 2011 - Dec 2015

SKILLS

- Proficient in operating systems (Unix, Linux, Windows, Virtual Machines)
- Good understanding of web design principles, XML, HTML, CSS, and JavaScript
- Experience in coding, debugging and testing
- Experience in Java, Spring Boot, REST APIs, Postman, Jenkins, GitHub, JIRA, TDD and Java GUIs
- Experience in developing android based applications
- Experience in basic circuits, digital, and computer hardware design
- Strong problem-solving and analytical skills

RELEVANT PROJECTS

University of Hawaii at Manoa | Honolulu, HI

Android Application Development I & II May 2014 - Dec 2014
Sept 2015 - Dec 2015

- Design and develop an android application software to satisfy certain technological needs.

FGPA Verilog Hardware Design Jan 2014 - May 2014

- Designing and running several simulations using a Digilent Basys2 board.

Micromouse Jan 2013 - May 2013

- Designed a small vehicle that can navigate a maze as fast as possible.

ADDITIONAL INFORMATION

University of Hawaii at Manoa | Honolulu, HI

- Lab Assistant for Intro to Computer Science I - Jan 2015 - May 2015
- Dean's List - Fall 2015, Fall 2014, Spring 2014
- Oahu Mathematics League 2010-2011 Individual Top Ten Award - Apr 2011

PROFESSIONAL EXPERIENCE

Entry Level Software Engineer/Java Developer

Summitworks Technologies, Inc | South Plainfield, NJ

Jun 2021 - Dec 2023

- Performing software development related duties for clients on a contract basis through professional training and lectures provided by the management consulting firm.

Java Developer

CWT (contract through Summitworks) | Remote

Jan 2022 - Dec 2022

- Developed back-end travel industry applications using Spring Boot, REST APIs and Gradle framework and performed tests using Postman and JUnit.
- Used Jenkins for deployment, Github for version control and JIRA for planning daily stand-ups and sprint user stories.
- Performed software quality checks using SonarQube and Veracode, identified potential issues and fixed the bugs and vulnerabilities in the source code.

Patent Examiner (Computer Engineer)

United States Patent & Trademark Office | San Jose, CA

Sep 2016 - Dec 2020

- Perform patent examining functions to ensure invention is new and meet requirements, analyze and provide technical evaluation, write legal office actions and respond to applicants.

Intern

Hawaii State Department of Agriculture | Honolulu, HI

Jun 2015 - Aug 2015

- Created a web-based user-friendly interface for Hawaii's food and products database.

Intern

2c4 Technologies | Kihei, HI

Jun 2013 - Aug 2013

- Created a web-based user interface database storage for ITEC resources & metrics.

Tutor/Grader III

University of Hawaii at Manoa Learning Emporium | Honolulu, HI Jan 2012 - Apr 2013

- Tutored students individually/small group in Pre-calculus & Calculus.