Samuel Chen

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EDUCATION

UNIVERSITY OF SYDNEY
Bachelor of Advanced Computing (Honours)
Graduating Dec 2022 | Sydney, NSW
WAM : 85.2
Activities: CS society, ACM ICPC.
Related coursework:
- Data Structures and Algorithms (98)
- Systems Programming (94)
- Object Oriented Programming (85)
- Agile Programming (82)

Honours:
- Computer Science Undergraduate High Honour Roll
- Dalyell Scholar

JAMES RUSE AGRICULTURAL HIGH SCHOOL
Graduated 2018 | Sydney, NSW

SKILLS

LANGUAGES
Proficient:
Java • Python
Familiar:
C • SQL • Javascript • LaTeX • HTML • CSS • C#

TECHNOLOGIES
React • Gatsby • GraphQL • Git • Gradle •JUnit • JavaFX • Node.js • Unix • PostgresSQL

AWARDS / PRIZES

2020	GS Caird Scholarship in Computer Science
2020	Dean's List of Excellence in Academic Performance

ABOUT ME

SKILLS
Oral and Written Communication • Organisation • Problem Solving

INTERESTS
Web Development • Graphic Design • Cyber Security

HOBBIES
Speed Cubing • Gaming • Photography

PROJECTS

PORTFOLIO WEBSITE | SAMUE.LC | GITHUB
Nov 2020 - Present
- A portfolio website used to host my personal links and photos.
- Created a custom photo gallery to host my photos, featuring a masonry layout and lightbox support.
- Used animation libraries such as GSAP to animate website components.
- Worked with vector graphics and animations to stylise the landing page.
- Added a blog using GatsbyJS and GraphQL.
- Built using JavaScript, CSS, GatsbyJS, GraphQL, and ReactJS.

MULTI-DIMENSIONAL CSV | GITHUB
Aug 2020-Sep 2020
- Designed a new data structure based on CSV, allowing for storage of multi-dimensional data.
- Built using Java.

VENDING MACHINE | GITHUB
Aug 2020-Sep 2020
- A vending machine program implemented using agile methodology for a university project.
- Utilised the Scrum method, various agile technologies and CI/CD practices.
- Built using Java, Github, Jenkins, SQLite and JUnit.

JXSERVER | GITHUB
May 2020-Jun 2020
- A networked server for a university project that sends files to clients in response to requests.
- Implemented multi-threaded functionality to handle multiple connections.
- Placed within top 5 of the cohort for performance.
- Built using C.

WORK EXPERIENCE

MATERIAL CREATOR | Alpha One Coaching College
2020-Present | Sydney, NSW
- Created Reading Comprehension question sets for primary level students on a weekly basis.
- Actively communicated and worked alongside other material creators and tutors.

PROGRAMMING INSTRUCTOR | CS Education
2019-2019 | Sydney, NSW
- Ran a week long course instructing a group of primary school students in Python.
- Created materials introducing basic programming concepts.