JUSTIN HOWE

Penultimate Computer Science Undergraduate Student at University of Edinburgh

CONTACT

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RELEVANT LINKS

justinhowe.me
github.com/ JHoweWowe
linkedin.com/howejust

TECHNICAL SKILLS

Languages: Java, Python, HTML, CSS, JavaScript, PHP, SQL, PDDL, MATLAB, Haskell, C
Tools / Modules: Git, Eclipse, JUnit Testing, phpMyAdmin, AWS, BootStrap, OpenCV

ACTIVITIES

Programming Society Instructor | Sept 2019 – Present
InfPALs Tutor | Sept 2019 – April 2020
Table Tennis Captain & Social Secretary | Sept 2019 – Present

AWARDS

Edinburgh Award (Tutoring) | June 2020
Udacity Android Basics Nanodegree | May 2017

EDUCATION

BSc. Computer Science
University of Edinburgh | 2018 – 2022 (Expected)

> **Relevant Courses:** Intro to Vision and Robotics, Intro to Databases, Intro to Software Engineering, Intro to Algorithms and Data Structures, Reasoning and Agents, Intro to Computation
> **Relevant Coursework:** Federal Bike Rental System (Java), Heuristics of Travelling Salesman Problem (Python), Planning with PDDL (PDDL)

Singapore American School | Aug 2012 -June 2016

PRIOR WORK EXPERIENCE

Robotics Software Engineer Intern
Hand Plus Robotics | May 2020 – Sept 2020
- Collaborated with Nanyang Technological University researchers and engineers to enhance robotics solutions
- Improved scanner object detection by 75% by implementing adaptive threshold method in image segmentation
- Responsible for UI/UX design and implementation of customized 3D scanner application in PyQt5
- Designed an AI-Powered Picking web application using HTML, CSS, JavaScript and ROS
- Assisted with DevOps practices, including writing Dockerfile for automatic software installation and web server creation
- Composed comprehensive software project documentation

SCDF Infocomms Operator | Oct 2016 – Aug 2018
Served in the Singapore Civil Defence Force, the nation's main agency for provision of emergency services. Responsible for communication equipment and computer troubleshooting.

PERSONAL BEST PROJECTS

Smart Recipe Generator | Feb 2020 – Present
Currently co-creating full-stack web application using HTML, CSS, JavaScript, PHP, phpMyAdmin and MySQL to generate healthy, fast and tasty recipes designated for university students.

Hello World Hackathon Website | Oct 2019 – Feb 2020
As lead web developer, worked with team of ten to develop university hackathon details and implement the website using HTML, CSS and BootStrap.