Darian Lio

✉ darianlio97@gmail.com ⌂ darianlio.com ⬘ darianlio ▤ darianlio

Education

Queen's University   *Kingston, Ontario*
BACHELOR OF APPLIED SCIENCE IN COMPUTER ENGINEERING   *Sept. 2015 - PRESENT*
- Relevant Courses: Algorithms, Comp. Architecture, Operating Systems, Fundamentals of Software Dev., Software Quality Assurance.

Experience

IBM   *Markham, Ontario*
SOFTWARE DEVELOPER INTERN - BLUEWORKS LIVE   *May 2018 - PRESENT*
- Performed manual testing for unit, regression, and performance testing based off newly implemented software features.
- Automated regression, smoke, and functional test cases for Blueworks Live using Java, REST API, Selenium & JUnit
- Validated, verified, communicated and resolved software defects and errors through careful, thoroughly documented testing.
- Collaborated with the QA team to complete comprehensive testing for 2 new major releases.

ASI Computer Technologies   *Markham, Ontario*
PRODUCTION TECHNICIAN   *May 2017 - Aug. 2017*
- Built multiple workstations, gaming computers, and servers in short deadlines for customers and repaired hardware components for RMA services.
- Conducted computer troubleshooting, stress tests, OS and driver installation, BIOS and RAID setup, and drive cloning/recovery using Acronis True Image.

Skills

Programming Languages:	Java, HTML, CSS/Sass, Javascript, Python, C++, SQL, GraphQL
Libraries & Frameworks	React, Gatsby, Node.js, Express
Tools & Platforms	Eclipse, VS Code, Git, Gulp, Netlify
Languages:	English, Cantonese (speaking)

Projects

Personal Website (darianlio.com)
HTML, SASS, JAVASCRIPT, REACT, GATSBY, NETLIFY
- Designed and created a responsive personal website, implemented with React and Gatsby.

Stock Market Predictor (IBM Hackathon 2018)
HTML, CSS, JAVASCRIPT
- Constructed a web application in IBM Cloud that collects the price history of given stocks/crypto currencies in a line graph, and makes predictions for the next 10 iterations for the selected time series utilizing a trained model for a recurrent neural network.

Movie Ticketing System
HTML, CSS, PHP, SQL
- Developed a prototype for users to register/login, browse the list of movies and theatres, and purchase tickets through a local MySQL database.

Autonomous Driving Robot
C, ROBOT C, ARDUINO
- Built a motorized robot in Arduino using IR sensors, servo, line tracking, and motor controls to compete in a playfield.

Ease (Queen's Hackathon 2017)
JAVA, ANDROID STUDIO, FIREBASE
- Developed a web application for a community-based delivery service for students using Java while implementing Firebase to store user information.