# Darian Lio

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## 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, CSS, JavaScript, Node.js
- Designed and created a responsive personal website, implemented with Node.js frameworks, and deployed on DigitalOcean.

**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.