Liam Armstrong

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Skills

Languages:	Java, Python, C++, JavaScript, Rust, Haskell, HTML
Frameworks and Libraries:	Django, React, Redux, AngularJS, Bootstrap, JQuery
Technologies and Tools:	Docker, Redis, Git, MySQL, PostgreSQL, Linux, AWS

Work Experience

Software Engineering Intern | *University of Toronto*   June 2019 - Aug 2019

- Built an automated citation system using XML and JavaScript in order to save 4 hours per research grant application at the Centre for Advanced Coating Technologies

Fundraising Intern | *Kids Help Phone*   May 2019 - Aug 2019

- Worked to further Kids Help Phone's corporate relationships by facilitating communication, building reports and organizing fundraising events, raising $300,000+ at the Golf Classic presented by Nestle
- Created a Python web scraping script to find and process event and sponsorship prospects, which generated over 500 productive leads

Project Management Intern | *Kids Help Phone*   May 2018 - Aug 2018

- Assisted Special Projects team to organize the Child Helpline International Consultation, a biennial, 1000 attendee, international conference
- Streamlined our invoicing process for conference attendees by creating Excel tools to generate and send documents, saving over 100 hours of manual work and ensuring consistently flawless documents

Co-Founder and Chief Technology Officer | *Intrst Financial*   Oct 2016 - Aug 2017

- Designed, built and deployed the company's web site and application as primary developer, gathering 10,000 page views in one week
- Used Agile methodologies to track team responsible for on-going product optimization, maintenance and expansion
- Generated specifications and chose technologies for initial site and all feature expansions based on feedback from stakeholders

Projects

Two Eyes Out | *Python, JavaScript, Docker, AWS*   https://2eo.xyz

When a class is full at UBC, students cannot register until a seat opens in their desired section. This app watches course listings and alerts the user once a seat is available.

- Python Django app uses PostgreSQL and Redis to asynchronously scrape web pages and send alerts
- JavaScript React and Redux front end allows users to manage their listings
- Full stack app is containerized with Docker and hosted on an AWS EC2 Instance

Education

University of British Columbia   Sept 2017 - Apr 2021

B.A. Interdisciplinary Studies, Computer Science and Commerce

Extra-Curricular Activities

Hackathon Coordinator | *nwHacks*   Sept 2017 - May 2019

- Presented and prepared nwHacks 2019 opening ceremonies to 700 attendees, setting an inclusive tone that lead to a record setting 133 project submissions
- Curated workshop on basic software engineering techniques and tools, empowering 100 first time event attendees to submit projects