

STEPHEN LAU

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EDUCATION

University of Waterloo

Candidate for Honors Bachelor of Computer Science, GPA: 3.8

Lazaridis School of Business and Economics, Wilfrid Laurier University

Candidate for Honors Bachelor of Business Administration in Finance and Marketing, GPA: 3.8

Relevant Coursework: Algorithms, Object-Oriented Programming, User Interfaces, Operating Systems

Waterloo, ON

Expected 2021

Waterloo, ON

Expected 2021

WORK EXPERIENCE

Solutions Engineering Intern

Numerator (InfoScout)

Chicago, IL

Sept. 2020 - Present

- Developing bots, web crawlers, and applications to streamline various business processes using Python and Scrapy

Technical Product Management Intern

Dapasoft Health

Remote

Jun. 2020 - Aug. 2020

- Built dashboards to automate Corolar Cloud health metrics reporting in Tableau and PowerBI which eliminated hours of time wasted by engineers manually generating reports
- Championed the overhaul of internal knowledge base for over 20 FHIR API endpoints that provided robust technical procedures
- Developed 100+ scripts in Python and Visual Basic for testing HL7, FHIR, and EDI interfaces

Software Engineering Intern

Coinbase

San Francisco, CA

Jan. 2020 - May 2020

- Led the migration of a company-wide location services API which saves \$60000 a year
- Developed and refactored features for ACH payments processing in Ruby, Rails and Go that increased fraud detection rate by 10%
- Spearheaded the development of user clustering feature which increased cluster coverage, allowing for more accurate risk detection

Data Solutions Engineer Intern

Wayfair

Boston, MA

Sept. 2019 - Dec. 2019

- Functioned as primary developer and product manager on a variety of projects building new reporting solutions
- Designed and built a variety of ETL procedures for many initiatives such as Vertica to GCP migration, data governance initiatives, and championed the move to Looker for data visualization and exploration
- Responsible for data reporting needs for business stakeholders across various channels within marketing department using SQL, Python and Tableau

Software Developer Intern

Flight Centre Travel Group

Toronto, ON

Jan. 2019 - Apr. 2019

- Created a product quoting feature on the sign-in page which increased conversion rate by 13%
- Championed the development of a help desk portal that reduced customer service inquiries
- Proposed and built a collaboration feature to allow 10K+ users to share 2K+ vacation itinerary plans using ReactJS, Java, and MySQL

PROJECTS

Help Me Manage

- Created a customizable CRM at Hack the North that allows NGO's to track clients and customize dashboards to fit their needs, alleviating time spent doing admin work in ReactJS, Redux

Project Derma

- An Android skin-cancer detection app that classifies a patients moles using a mobilenet convolution neural network, achieving a 66.3% confidence score.

SKILLS AND ACTIVITIES

Languages/Technologies: Python, C++, R, Java (Android), Javascript/Typescript, SQL, HTML, CSS, Ruby/Rails, MongoDB

Design and Visualization: Figma, Adobe Illustrator, Photoshop, Miro, Tableau, Sketch

Packages: Pandas, NumPy, Plotly, SciKit-Learn, Selenium

Activities: Waterloo Varsity Badminton Team, Rowing, Waterloo LGBT Club, Sigma Chi Fraternity, UW Blueprint