Aryan Abed-Esfahani

⬈ www.aryabed.com
 github.com/AryanAb
✉ aabedesf@uwaterloo.ca
 linkedin.com/in/aryanabed

EXPERIENCE

OpenText

Software Developer - Intern   May 2021 - August 2021

- Developed and maintained an internal tool used by **more than 800 employees** by working with **Java** for the back-end and **XHTML** and **PrimeFaces** framework for the web user interface.
- Utilized **Docker** and **TeamCity DevOps** for multiple fast and secure deployments on servers and used **Kubernetes** to achieve **smooth scalability and 0 downtime**.

Google Inc.

Computer Science Summer Institute (CSSI) - Apprentice   Summer 2020

- Selected for a 4-week intensive Computer Science program working and learning with other students and Google employers
- Completed multiple **JavaScript** team projects including a painting web page, which used **TensorFlow.js** to track the user's fingers and **P5.js** to draw on the screen

SKILLS

- **Languages**: JavaScript, TypeScript, C/C++, Python, HTML5, CSS3, Java, Racket, Latex, C#, SQL
- **Technologies:** ReactJs, React-Native, NextJs, Node.js, Flask, ExpressJs, AWS, SocketIO, Electron, Git, GCP, Firebase, Docker, Kubernetes

PROJECTS

Congreco ▶

- Made an **Android** and **iOS** app with **TypeScript** and **React-Native** to create, manage, and invite people to social events
- Implemented a dynamic **GraphQL** API by using **Hasura** along side a **Heroku SQL** database and **Apollo**

TD Visualize

- Spearheaded a team of 3 in designing a data visualization web application by using **Python** and **Flask** to visualize personal fiancial data gained by using **TD Da Vinci API**, making it easier to prevent fraud
- Generated multiple graphs, such as heat maps and user friendly charts, by using **Google Maps API** and **chart.js**

stats_cpp

- Created an agile and open-source **C++** statistics library, capable of calculating linear regression, standard deviations, z-scroes, and more
- An easy-to-use header only library able to evaluate statistics for over 10,000 data points in under 5 seconds

EXTRACURRICULAR ACTIVITIES

- Waterloo Mathematics Society - Web Developer   Fall 2020
  Creating and maintaining websites for student-run clubs using tools such as **React** and **GatsbyJs**.

EDUCATION

University of Waterloo   2020 - 2025
Bachelors of Computer Science, 2A
Current CGPA: 3.97/4.00
President's Scholarship of Distinction

AWARDS

- Greg Wilkinson Passion for Physics   2020
- National AP Scholar (Canada)   2020
- AP Scholar with Distinction   2020
- EC Hax IV Top 5 Hacks (For TD Visualize)   2019