CHENIKA BUKES

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OBJECTIVE

Aspiring software engineer studying computer science at the University of Toronto who initiates collaboration amongst diverse teams and implements solutions to unexpected challenges during software development projects.

EDUCATION

Honors Bachelor of Science in Computer Science, University of Toronto Sept 2021 - April 2025
University of Toronto Arts and Science Internship Program
Lester B. Pearson International Scholarship

- Full-ride scholarship awarded to 30 students from over 2500 applicants globally

Dean's List Scholar 2023
Technology Leadership Initiative

- Selected to be in an agile team of 32 from 500 applicants based on curiosity, grit, agility, and academic merit
- Engage in industry-integrated courses and leadership principle courses

International Baccalaureate, American International School of Johannesburg Sept 2016 - June 2020
IB Diploma Score of 45/45 and High School Class Salutatorian

SKILLS

Programming Languages	Python, Java, TypeScript, R, MIPS Assembly, SQL, C
Frameworks, Libraries and Tools	Angular, React, Postman, Node.js, Bootstrap, Git
Soft Skills	Leader, Fast-Learner, Dependable, Passionate about Technology

EXPERIENCE

Software Engineer May 1 2023 - Aug 25 2023
Toronto Dominion Bank *Toronto, Canada*

- Working in a full-stack agile team to migrate the current mortgage application from 7 years prior off of Salesforce and onto Azure, with the goal of saving the bank $5 million in licensing
- Built 70% of the product and liabilities pages using NgRx state management in Angular
- Implemented strongly typed API calls to eliminate logic in separate environment files

PROJECTS & OPEN-SOURCE CONTRIBUTIONS

Transcript to Chatbot Visualisation. Built a website to visualise the frequency of intents in company transcripts. Once the visualisation is clicked, the user is given the option to then call the VoiceFlow API to automatically create intent blocks on VoiceFlow's chatbot-builder site. Achieved using ReactJS, NodeJS, MongoDB, and hosted on Heroku.

Mask Detection CNN. Built a convolutional neural network to detect whether face masks are "properly" worn, as trained on a data set of over 10,000 images. The network had a success rate of 97%. Achieved in Python, using the NumPy, PyTorch, and Pandas libraries.

Openverse Open-Source Contribution. Search engine for content developed as part of the WordPress project. I have contributed to custom ES-linting, testing, and making the front-end dynamic for different screen sizes.

LEADERSHIP AND EXTRA-CURRICULAR ACTIVITIES

Pearson Peer Mentor since Sept 2022
Certified Ethical Hacker, EC-Council since Sept 2022
President Service Learning Council, AISJ Sept 2019 - June 2020