Ceres Lang

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Education

University of Toronto	Toronto, ON
Honours Bachelor of Science in Computer Science	*Sep. 2017 – May. 2022*

Technical Skills

Technologies: JavaScript, TypeScript, Java, Python, C, Go, SQL (Postgres), NoSQL (MongoDB), HTML/CSS
Frameworks: React, Node.js, Django, Springboot, Express, Django ORM, Mongoose, Sequelize
Libraries: Mapbox, Styled Components, Material UI/MUI, Pandas, Zod, Moment, SciPy, Numpy

Experience

Software Developer — May. 2022 – Jan. 2023
Clutch Technologies — *Toronto, ON*

- Refactored finance application user interface in ReactJS, introducing new styling, MUI form inputs, improved navigation flow, etc, improving application completion rate by 50%
- Refactored finance application admin portal to enhance consistency with the site in terms of style and flow, using MUI and updated modal appearance for a more seamless user experience
- Handled bug reports for client and server-side applications, and pushed out fixes to minimize user disruptions with an average resolution time of 20 minutes
- Integrated Axis Auto Financing finance application API into clutch financing flow to streamline pre-approval process and increase subprime auto lending, resulting in a 30% financing profit increase
- Developed pre-approval client application in ReactJS with multi-step user flow, input sanitization and validation, and progress tracking to a production-ready stage, using page designs produced by product team in Figma
- Prototyped printer server to print RFID labels leveraging AWS Kinesis stream for automated updates. Reducing the time required to onboard vehicles by 25%
- Introduced a unit test suite for the user authorization resource in TypeScript, securing core site functionality

Full-stack Developer — Sept. 2021 – Apr. 2022
Korotu Technology — *Toronto, ON*

- Built LiDAR prototype in Python using NASA GEDI platform, used to place as finalist in WWF Nature X Carbon Tech Challenge for $25,000 in grant funding
- Rebuilt backend application architecture from microservice to monolithic to suit changing company direction, reducing work needed to implement new features by 75%
- Presented at company planning sessions to determine future development direction, refocusing work time on creating key functionality to meet contract requirements

Backend Developer — Jan. 2021 – Apr. 2021
Korotu Technology — *Toronto, ON*

- Developed RESTful API in Python using Django and SQL to retrieve and manipulate remote sensing data
- Built application with machine learning to interpret spectral reflectance, used to secure contracts to gain funding leading to the startup becoming incorporated
- Created and managed AWS cloud instance to host application, keeping operational costs for development near $0
- Designed database schema to facilitate project needs, implemented using Django ORM on SQL database

Technical Systems Analyst — Jan. 2019 – Apr. 2019, Jan. 2020 – Apr. 2020
RBC – Royal Bank of Canada — *Toronto, ON*

- Explored dev-ops strategies in dev team to improve application delivery to consumers
- Experimented with Git branching strategies to facilitate dev-ops pipeline and automation
- Tested cloud migration of online banking application from IBM z/OS to Linux sandbox, and created shell scripts to automate process