

JI-OH KIM

COMPUTER ENGINEERING STUDENT



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SKILLS

LANGUAGE

- C / C++
- Python
- Java
- HTML / CSS
- JavaScript
- Verilog
- ARM Assembly

TOOL & SYSTEM

- Git
- Linux / UNIX
- Microsoft Office

SIMULATION

- MATLAB
- Quartus Prime
- LTSpice
- Autodesk Fusion 360
- Typhoon HIL

EDUCATION

University of Toronto

BASc - Electrical & Computer Engineering 2023
Minor in Engineering Business
September 2019 – Present

LANGUAGE

- Korean
- English

AWARD

- Dean's Merit Award
- Edward Rogers Admission Scholarship

PROFESSIONAL

aUToronto – Self Driving Car Design Team

August 2020 - Present

System Engineer

Toronto, Ontario

- Design integrated simulation scenarios to test the vehicle's autonomic response ability to dynamic challenges
- Analyze the scoreboard and developed tests cases specifically on safety analysis
- Complete a Conceptual Design Specification on Perception failure mode

City of London, Municipal Government

Sep 2018 – Sep 2020

Facility Program Supervisor

London, Ontario

- Supervised facilities, equipment and staff for city programs ensuring program success
- Resolved daily client inquiries by phone, email or in person
- Managed daily administrative duties – documentation, sales, reports, data entry
- Administered and monitored program policies, procedures and health and safety

EXTRACURRICULAR

Citi Bank Canada

Feb 2021 - Present

Early ID Technology Analyst Program

Mississauga, Ontario

- A selected participant of Citi's accelerated Leadership Program in Technology
- Being trained in Cloud Platform, Data Analytics, AI and Innovative Problem Solving

University of Toronto Students' Union

Sep 2019 – Apr 2020

First Year Council Member

Toronto, Ontario

- Elected to be one of 19 members of First Year Council to serve over 8,000 First Year Students at the University of Toronto, St. George Campus
- Analyzed and budgeted the FYC's spending as a Finance Committee member, and was recognized for developing a reliable and transparent financial strategic plan

PROJECT

Home-Slice

Feb 2021

- Developed a website that uses open-source data from cities in Canada to help people visualize the homelessness and unaffordable housing to aid in future city planning
- Utilized React and their data visualization library Recharts, and the UI library Chakra

Autonomous SUMO Robot

Sep 2019 – Mar 2020

- Designed an autonomous SUMO robot in a team of four to fight in a competition while making sure the specification of the robot is under the design regulations
- Constructed using Arduino (C/C++) and Autodesk Fusion 360