Jarvis Wang

Computer Engineering Student | Software Developer

CONTACT

wangj230@mcmaster.ca
647-927-3054
linkedin.com/in/jarvis-wang
github.com/acejarvis

SKILLS

Programming Languages:
C#, Python, Java, JavaScript, C, C++, TypeScript, HTML, CSS, SQL, MATLAB, Verilog, Assembly, Dart

Technologies & Frameworks:
ASP.NET, Node.js, Express, Flask, Angular, React, Flutter, Microsoft SQL, MySQL, MongoDB, Firebase, AWS, Azure, CI/CD, RESTful API, OpenCV, Darknet, Docker, Git, Bash, Powershell, Figma

AWARDS

**3rd Prize |
DJI RoboMaster Robotics Competition**
AUG 2019

**CIBC Challenge Prize |
DeltaHacks V**
JAN 2019

**TOP 3 & Best Pitch |
McMaster IMPACT Project**
DEC 2017

EDUCATION

McMaster University | B. ENG, Computer Engineering
SEP 2017 - JUN 2022, Hamilton, ON

EXPERIENCE

Cloud Software Developer Intern | SOTI Inc.
MAY 2019 - AUG 2020, MISSISSAUGA, ON

- Worked in an Agile team to develop, test, and maintain cloud based software using **AWS EC2**, **C# ASP.NET**, **MS SQL**, **Angular**, **NUnit** and **Protractor**
- Developed and optimized a **microservices**-based Cloud Management System that controls 10,000+ cloud production VMs, having improved SLA compliance to 99.5%.
- Redesigned and rebuilt the frontend based on Material Design
- **Coordinated** and launched a monitoring dashboard for the company's orchestration system **from scratch** to improve operational efficiency by 300%

Application Developer Co-op | McMaster University
JUNE 2018 - SEP 2018, HAMILTON, ON

- Developed a web app used by Faculty of Health Sciences that generates medical simulation scenarios which aids in training 250+ health care providers annually, decreased the generation time by 50%
- Project built in **HTML**, **CSS**, **Node.js**, **Express**, **Bootstrap** and **MySQL**

PROJECTS

BudgetBuddy - FinTech
SEP 2019 - PRESENT, HACKATHON (HACK THE 6IX)

- A fin-tech tool that both provides individual-specific spending insights and collects aggregated non-personal data that can be used for marketing insights for businesses
- Data collected by TD Davinci API and visualized into clusters through **unsupervised learning** written in **Python** on a web app built with **Angular**

Banking Cat - Advising ChatBot
JAN 2019, **Won the CIBC Challenge at DELTAHACKS V**

- A financial advising chatbot that recommends the best banking solutions to the user based on their bank statements.
- Project built based on **DialogFlow NLP** platform and **Azure** Cognitive Services, and deployed on **Google Assistant** also with a web frontend written in **HTML** and **jQuery**

EXTRACURICULAR ACTIVICTIES

PR Manager & Computer Vision Engineer | MAC RoboMaster Team
SEP 2018 - PRESENT, HAMILTON, ON (School Project Team for RoboMaster Competition)

- Author grant proposals and marketing materials for an RC robot project team to bring in new sponsors, which has since raised $6k+ in seed funding
- Work in the computer vision division to implement CV(distance measurement and object-tracking) modules for RC robots, using **Darknet** and **OpenCV**(C++) on NVIDIA Jetson TX2, and improved the aiming accuracy by 30%

President | McMaster Sumobot Club
APR 2018 - AUG 2019, HAMILTON, ON

- Elected to **lead** team of 10 student executives organizing a robot club and hosting competitions that challenges students to design their autonomous robots to fight in tournament-style matches, attended by 300+ participants across the university