

LANGUAGES

- Highly proficient in Python, C, C++ and Javascript.
- Adept in Ruby, Java and SQL.

FRAMEWORKS & TOOLS

- Practical experience using HTML, CSS, Bootstrap, Flask, Git and Bash.
- Competent with Ruby on Rails, Node.js and Django.

CONTACT



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NathanJiangCS



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nathanjiang.me

EDUCATION

University of Waterloo

Sept 2016 - Ongoing

- Candidate for Bachelor's of Software Engineering (Co-op)

Glenforest Secondary School

Sept 2012 - May 2016

- International Baccalaureate Diploma Program - 43 Points
- 98.5% Graduating Average

INTERESTS

- Hackathons
- Badminton
- Fingerstyle Guitar
- Music and K-pop
- Karaoke
- Korean Fashion

PROJECTS

Directions to Go

Nov 2016 - Ongoing

- *Python, Flask, uWSGI, NGINX, Ubuntu, Digital Ocean*
- Server-side app that allows users to access Google Directions via SMS
- Configured NGINX reverse proxy and server blocks on Ubuntu to support the uWSGI+Flask server

Stroit.life

Nov 2016 - Ongoing

- *Python, Javascript, Node.js, Express, Jade*
- Web app which utilizes Google's Direction API in conjunction with statistical crime data to find safe walking paths through Detroit
- Modified Google's path-finding algorithm to produce several routes which take into safety as well as walking distance
- Assisted in the setup and deployment of a Node.js/Express server to support user queries

Quest Cabochon

June 2016 - Sept 2016

- *HTML5, CSS, Javascript, Phaser*
- Online, single-player role-playing game written in Javascript
- Implemented inventory, Player-AI combat, and NPC shop systems
- Created a unique, action-driven storyline to support gameplay

Project Twice

May 2016 - June 2016

- *Python, OpenCV, BeautifulSoup*
- Web image scraping bot that uses facial detection and recognition for sorting
- Created and trained Haar Classifiers in OpenCV for facial recognition

ACHIEVEMENTS

Canadian Computing Contest

May 2015

- Top 5% of all contestants in the Senior Division

ECOO Team Programming Competition

Feb 2015 - May 2016

- ECOO District of Peel Regional Champions (2 consecutive years)
- Top 10 team at the ECOO Provincial Finals

Waterloo Engineering Competition

November 2016

- 2nd Place Team at the WEC Programming division

DECA International Career Development Conference

March 2015

- 2nd place overall in the Personal Financing Event at the DECA ICDC

RELEVANT EXPERIENCE

Computer Science Club Executive

Sept 2015 - June 2016

- Tutored students on algorithm and data structure implementation for programming competitions
- Collaborated with other execs to organize school programming contests