OSMAN HAJIYEV

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Education

University of British Columbia
Graduation ceremony: May 2019

B.Sc., Major in Computer Science
- **Outstanding International Student Award**
- **Full-ride scholarship** for academic and extracurricular achievement
- **Relevant courses:** Machine Learning and Data Mining, Advanced Operating Systems, Computer Graphics, Internet Computing, Advanced Algorithm Design and Analysis, Intelligent Systems, Computer Vision, AI
- **Activities:** Numerous hackathons (more than 15-20), CS research seminars, ML reading group, VP of AzSA

Work Experience

HAT Medicine Clinics – Web Developer and IT Support
May - August 2017

- Worked on front-end quality assurance, redesigning old user features based on user needs, and implementing new features using different APIs for a better user experience.
- Collaborated with the CEO and CFO of HAT Medicine Clinics and implemented their suggested structural improvements to their company website.

Computer Science/Programming Instructor
June - August 2017

- Taught the basics of computer science with fun examples to a group of 14 high school and middle school kids.
- Students built a snake game, spaceship game and also wrote a solver for Sudoku with my guidance, imbuing them with the fundamentals of algorithms and object-oriented design within a short span of time.

Relevant Projects

Microkernel x86 Operating System
Source code: https://github.com/osmanhajiyev/personalOperatingSystem
Languages: Mostly **C** and **x86 Assembly** || Worked with **a teammate** for an Advanced OS course
- Built basic **kernel**; provided **OS memory handling** (allocating/freeing memory).
- Provided **inter process communication** (process<->process, kernel<->process) through system traps/interrupts.
- Built device driver handler and integrated keyboard (communication using interrupts) for the operating system.

Open House – Vancouver Startup Weekend Hackathon, **Finalist**
Source code: https://github.com/osmanhajiyev/OpenHouseApp
Languages: Mostly **JavaScript**, **HTML**, **CSS** Database: **MongoDB** || Worked with **3 teammates**
- Implemented: 1) Used Google Maps API to display rents and rental info on the map 2) Created drawing/selection tools Google Maps to provide an easy and intuitive way for interacting with the app

FTP Server
Source code: https://github.com/osmanhajiyev/Simple-FTP-server-in-C
Languages: **C** || Worked with **a teammate** for an Internet Computing course
- Using C socket programming created a simple FTP server that any client could access.
- Coded and provided basic FTP server commands for many clients at once. Commands supported: LIST, USER, QUIT, PASV, CD, MODE, TYPE, STRU, RETR (download files).

Skills

Languages - English, Russian, Turkish, Azerbaijani || **Tech -** NodeJS, Docker, Agile (Scrum), PostgreSQL, Linux, TypeScript
Programming languages - 2+ years: C, C++, Java || **Familiar:** Python, JavaScript, SQL, HTML, CSS