

OSMAN HAJIYEV

Phone: +1 778 302 6768 Email: osman.hajiyev@gmail.com Website: <https://www.osmanhajiyev.com>
Github: <https://github.com/osmanhajiyev> LinkedIn: <https://www.linkedin.com/in/osmanhajiyev>

Education

University of British Columbia

September 2014 - December 2018

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, Artificial Intelligence, Software Engineering

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.

Social media for comics lovers

Source code: <https://github.com/osmanhajiyev/Comicon>

Languages: Mostly **JavaScript**, **HTML**, **CSS** Database: MongoDB || Worked with **3 teammates**, **Agile (Scrum)**

- Implemented login and registration using tokens, drawing and editing comics as a front-end functionality and also the ability of following users, comics, collections, befriending users, commenting, rating and saving comics.

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 and Azerbaijani

Programming Languages: 2+ years: C, C++, Java || **Familiar:** Python, Julia, JavaScript, SQL, x86 Assembly, HTML and CSS