

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

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, CS research seminars, ML reading group, VP of AzSA

Experience

HAT Medicine – Web Developer (hatmedicine.com)

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

Software Engineer - EarthQuick (Lab earthquake timing prediction using machine learning)

Microsoft Discover AI Challenge Finalist (Top 5 out of 250+ teams)

Source code: <https://github.com/tingkai-zhang/EarthQuick> || Python, HTML, CSS, Azure

- Was invited to present on stage in front of Microsoft management and other guests in Microsoft Canada HQ
- Built the web app through which users can interact with our model

Software Engineer - Microkernel x86 Operating System

Source code: <https://github.com/osmanhajiyev/personalOperatingSystem> || C, x86 Assembly

- 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

Full Stack Engineer - OpenHouse (a web app for rental listings)

Vancouver Startup Weekend Hackathon, Finalist

Source code: <https://github.com/osmanhajiyev/OpenHouseApp> || JavaScript, HTML, CSS, MongoDB, Node.js, Express

- Used Google Maps API to display houses for rent within a selected area
- Implemented selection tools on Google Maps to provide an easy and intuitive way for interacting with the app

Skills

Languages: English, Russian, Turkish, Azerbaijani || **Tech:** Node.js, Agile (Scrum), PostgreSQL, Docker, TypeScript, C, C++, Java, Python, JavaScript, SQL, HTML, CSS, Git, React