

Ahmed Shaaban

Full Stack Web Developer

🌐 ashaabany.github.io/My-Website/ | ✉ ahmed.m.shaaban97@gmail.com | 📄 [ahmed-shaaban-a1390b1b2](#)

Skills

Software	Visual Studio Code, Git, VSTS, Blackbaud CRM, Jupyter, Unity, Figma, Adobe Creative Suite, LaTeX, Microsoft Office
Programming	C#, C++, .Net, Java, Python, Javascript, PHP, React, SQL, Matlab, R, SPSS, HTML/CSS, Racket
Research	Lab Research, Data Collection, Data Analysis, Tutorial/Document Development, Mentorship
Functional	TCP2 Ethics Certificate, First Aid & CPR Certified, Leadership, Public Speaking, Event planning, Agile, Scrum
Language	English, Arabic

Experience

Cognitive Systems Teaching Assistant

Vancouver, Canada

DEPARTMENT OF COGNITIVE SYSTEMS, UBC

Jan. 2021 - Apr. 2021

- Leading a lab section with 25 students, instructing them in using Unity, C# scripts, and machine learning to create virtual robotics and artificially intelligent agents
- Helped with the development of C# scripts while resolving bugs in previous code and writing custom-made solutions
- Holding my own office hours to exchange ideas with students about the disciplines of computer science, cognitive neuroscience, philosophy, and linguistics

Web Developer

Vancouver, Canada

DEPARTMENT OF MECHANICAL ENGINEERING, UBC

Sept. 2020 - Apr. 2021

- Combining WordPress with HTML, CSS and Javascript to facilitate regular maintenance and create tailor-made page functionalities on the UBC Mechanical Engineering website
- Created a custom solution for a bug that has been prevalent for 3 years, now allowing users to alternate between the text and visual editors on WordPress more robustly
- Staged a .NET web API to index Faculty and staff Directory information and generate summaries
- Utilizing Google Analytics to gain novel insight on user behavioural data and streamlining affiliated websites accordingly
- Using Adobe Creative Suite to create and edit images and videos posted on the website

Research Assistant

Vancouver, Canada

COGNITIVE NEUROSCIENCE OF SCHIZOPHRENIA LAB (CNOS), BC CHILDREN'S HOSPITAL

Mar. 2020 - Mar. 2021

- Conducting Constrained Principle Component Analysis (CPCA) to derive functional brain images from BOLD signal time series
- Using MATLAB and high-level brain imaging software (e.g. MRICron) to classify functional brain networks in patients
- Leveraging Blackbaud CRM with Engineering teams at PHSA who created customizations for funding and support from external clients
- Utilizing past fMRI data to generate statistically significant Canonical Correlations (CCA) between brain networks in both healthy and schizophrenia patients using IBM SPSS
- Wrote a 5000 word research paper on Canonical Correlations in Brain Networks that is currently being edited by an undergraduate journal for publication

Camps Counsellor

Vancouver, Canada

GEERING UP, UBC

June. 2019 - Dec. 2019

- In charge of creating, mastering, and teaching a large variety of STEM concepts in a fun and approachable way to children aged between 6-14, while leading and working with a team of Instructors
- Supervised interning junior instructors by delegating tasks, setting expectations, and getting their assistance
- Had the privilege to be selected for outreach camps out of 100 employees, allowing me to travel to Cranbrook, BC for one week to teach children in the indigenous community known as ?aq'am

Education

The University of British Columbia

Vancouver, Canada

B.SC. COGNITIVE SYSTEMS: COGNITION & BRAIN, WITH DISTINCTION

Sept. 2017 - Apr. 2021

- Coursework included software engineering, machine learning, UX design, neuroscience, symbolic philosophy, and academic writing
- Awards & Honours:
 - Dean's Honour list: **80%+** in a winter session with 27 or more credits (9 courses)
 - Academic Distinction: **85%+** in top 30 credits (10 courses) of degree-related 300/400 level courses
- Top 60 credits **GPA: 4.0**, Supervised by Todd Woodward and Rebecca Todd