190 Cranesbill Rd. Ottawa (Kanata), ON K2V0J5
linkedin.com/in/ava-oveisi

Ava Oveisi

289-980-3448
ava.oveisi@mail.utoronto.ca
avaove.github.io/eportfolio/

Skills

Software: C, C#, Java, Python, HTML, CSS (Bootstrap), JavaScript (JQuery)
Environments and Tools: Git, GitHub Actions, Kubernetes, Azure Pipeline, Bash, Linux/Unix, Windows

Education

Scarborough, ON **University of Toronto** **Sept 2019 – Present**

- **Specialist**: Computer Science: Software Engineering Stream candidate, B.Sc (cGPA: *3.91*)
- **Coursework**: Software Architecture and Design (Java), Software Tools and System Programming (Software techniques in Unix environment, shell scripting languages and machine-oriented programming language (C)), Design and Analysis of Data Structures and Algorithms, Computer Organization, Theory of Computation
- **Scholarships**: President's Scholar of Excellence Program

Employment

DevOps/Automation Developer **Seequent** **May 2021 – Present**

- Creating/maintaining automated C# tests for Oasis Montaj desktop application and increased the testing framework by 8%
- Initiated a testing framework code refactoring, reducing more than 2.5k methods and 150k lines of code
- Running smoke suite and other automation test suites against the release build in Bamboo and updating test results
- Developing GitHub Actions workflows and pipelines for automating the run of web tests on virtual machines
- Experienced with DevOps tools such as K8s, Docker, containerization, CI/CD pipelines, and Azure DevOps
- Developed dashboard for QA using React: *unruffled-keller-0e32e0.netlify.app/ (sample version)*

Research Assistant **Canadian Institute of Theoretical Astrophysics** **May 2021 – Present**

- Exploring deep learning, neural networks, and computational techniques to model the next generation of 3D dust maps
- Designing and fine-tuning neural networks relying on real dust data
- Improving networks architecture based on the physics involved in the problem, involving the use of min-max networks
- Extensively utilizing tensorflow, scipy, sklearn, and matplotlib python libraries and Jupyter notebook to implement designs and test accuracy using noisy simulated data

First-Year Learning Community Program Leader **University of Toronto** **Sept 2020 – June 2021**

- Facilitated remote biweekly meetings for over 80 Computer Science, Math, and Stats undergraduates students
- Created workshops focused on academic skills development and career exploration during the pandemic

Relevant Projects

Personal Website: *avaove.github.io/eportfolio/* (for additional information) **In Progress**
Hackathon Projects: *devpost.com/ava-oveisi*

Restaurant Web Project **BRIDGE at University of Toronto** **Jun 2020 – Aug 2020**

- Consulted with clients from local restaurants in Scarborough and researched ways to assist in elevating their web functionality to increase business marketing during the pandemic
- Improved frontend navigations and design and created forms to gather user information through backend Firebase database

Java File System Management - Unix Shell Interface **Aug 2020**

- Developed Unix shell environment following a scrum model and using agile methodologies in a cross-functional team
- Adapted to changes in software design quickly, making sure the software is responsive and performant
- Utilized JUnit automated testing, refactoring, advanced IDE usage, SVN source control and focusing on scrum model and software development life cycle

Relevant Volunteer Work & Extracurricular

Computer Science Undergraduate Research Group **University of Toronto** **Oct 2019 – Present**

- Working closely with CS Professor on literature review research involving a critical evaluation of over 350 sponsored papers on the Association for Computing Machinery Digital Library related to efficacy of inverted classroom models

Programming & Robotics Design Mentor **FIRST Robotics Canada** **Oct 2019 – Feb. 2020**

- Mentored youth students with problem-solving, Python, and EV3 programming, designing, building, and troubleshooting robots to meet the 2019 *City Shaper* competition through facilitating weekly 4-hour meetings
- Award won: FIRST Inspiration Award