Reza Akhavan

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Summary	High-spirited Software Engineer looking for Spring 2021/Summer 2021 Internship opportunities

Education

University of British Columbia   Graduation: DEC 2021
B.Sc Computer Science, Co-op, GPA 89.6/100, 3.96/4.00

- Science scholar and Dean's Honour List (2018, 2019)
- Dean of Science Scholarship (2018)
- Trek Excellence Scholarship awarded to top 5% of faculty (2018)
- Relevant coursework: Computer Networks - Algorithms and Analysis - Computer Hardware - Operating Systems - AI - Graphics - Relational databases - Machine Learning and Data science

Experience

Copperleaf Technologies, Predictive Analytics Team   SEP 2019 - DEC 2019
Software Engineer Co-op

- Built a Machine Learning prototype for optimizing a search algorithm that involved a large scale classification problem, data extraction in order to automate and optimize a core aspect of the Analytical engine of Copperleaf's C55 software. The Prototype resulted in 10-20% performance improvement and simplified user input
- Wrote back-end code using C#, Visual Studio, Oracle SQL database
- Wrote an Automated machine learning experiment using Microsoft's AutoML and ML.NET library
- Utilized Agile development methods & modern tools such as Azure DevOps for CI, Git, Jira, Confluence.

University of British Columbia, Computer Science Department   JAN 2019 - JUL 2020
Teaching assistant for CPSC 213

- Computer systems, Assembly, Concurrency, Operating systems and I/O
- Led tutorials and labs to teach and help students with Assembly, Java, C projects for 4 semesters
- Continuously achieved near perfect scores from end of term student evaluations

Teaching assistant for CPSC 121   SEP 2018 - DEC 2018

- Models of Computation, logical circuits, mathematical and algorithm proofs
- Led labs for hands-on logical circuits design and implementation

Projects

Catch the Ball   2019
JavaScript, Three.js, WebGL, GLSL, OpenGL

An in browser 3D mini game with Advanced Shading, Shadow and Environment Mapping

DNS Resolver Client   2019
Java

A fault-tolerant DNS resolver with caching using UDP requests from RFC compliant nameservers

Mars Space Port Shipment Manager   2018
MySQL, Node.js, Express.js, EJS, JavaScript, HTML5, CSS3

A full web app and database to manage rockets, astronauts and cargo arriving at Elon's Martian city.

rezaakv.com   2018
HTML5, CSS3, JavaScript

My website to showcase some of my work, hosted on Github

Skills

Proficient: C/C++, C#, Java, Python, JavaScript, SQL, Linux, Bash, Git
Familiar: Typescript, x86 Assembly, Android Studio, OpenGL, Docker