
Reza Akhavan

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Summary	High-spirited Software Engineer looking for opportunities starting July 1st, 2021	
Experience	SAP	JAN 2021 - CURRENT
	Agile Software Engineering Intern for HANA & Analytics	
	<ul style="list-style-type: none">Independently purposed, integrated parallelization into a Python end-to-end UI testing framework, redesigned with Selenium containers on Docker Swarm. Reduced 4 hour runtime to 7 mins, O(n) to O(1)Worked with Agile team on Cloud Foundry Micro-services for SAP Analytics Cloud for routing, authorization and authentication, Node.js and Java, in containerized Ubuntu based environments.Resolved multiple high risk security vulnerabilities affecting End-to-End OAuth server workflows.Designed a virtualized build environment solution for %800 faster compiling of SAC.	
	Copperleaf Technologies	SEP 2019 - DEC 2019
	Software Developer Co-op, Predictive Analytics Team	
Education	<ul style="list-style-type: none">Built a ML project, independently, for optimizing an algorithm that involved a complex classification problem & data processing in order to automate & optimize the core of the Analytical engine.My prototype built in ML.NET resulted in 10-20% performance improvement & simplified user input.Worked on the back-end of Copperleaf's monolithic product using C#, Oracle SQL DB, Visual Studio	
	UBC Computer Science	SEP 2018 - OCT 2020
	Part-time Teaching assistant for Computer Systems & Architecture	
	<ul style="list-style-type: none">Led tutorials and labs to teach and help students with Assembly, Java, C projects for 6 semestersContinuously achieved near perfect scores from end of term student evaluations	
	University of British Columbia	Graduation: JUNE 2021
Projects	B.Sc Computer Science, GPA 3.95/4.00	
	<ul style="list-style-type: none">Dean of Science Scholarship, Trek Excellence Scholarship awarded to top 5% of faculty (2018)Relevant coursework: Computer Networks - Algorithms and Analysis - Parallelization - Computer Hardware - Operating Systems - AI - Graphics - Relational DB - Machine Learning & Data science	
	Xeros Multitasking Kernel	2020
	C, x86 assembly, Bochs emulation, Linux	
	Fully functioning Unix based monolithic kernel based on i386 platform, a cooperative multitasking, multi-process system with memory and external device management and signal handler.	
Skills	Jakarta EE Language Server for the Eclipse Foundation	2020
	Java, JSON-RPC, Eclipse Plugin Development tools, OOP, Open Source	
	Built the diagnostics framework for Java EE specifications for the server and an Eclipse Plugin	
	Mars Space Port Shipment Manager	2018
	MySQL, Node.js, Express.js, EJS, JavaScript, HTML5, CSS3	
Skills	A full stack web app and database to manage rockets, astronauts and cargo arriving at a future Martian city.	
	Insight UBC	2018
	Typescript, Node.js, Yarn, Mocha, Chai, TDD	
	A query parsing engine for searching UBC courses database with a DSL similar to SQL	
	Proficient: C, C++, C#, Java, Python, JavaScript, Node.js, SQL, Linux, Bash, Git, Docker	
Skills	Familiar: Typescript, Erlang, Android Studio, OpenGL, Cloud Foundry, MongoDB, Selenium	