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# Reza Akhavan

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