
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">• Worked on Cloud Foundry Micro-services for SAP Analytics Cloud for routing, authorization and authentication, Node.js and Java codebases 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.• Utilized Agile development methods and tools such Jenkins, Kibana, GitHub, Jira, Confluence. | | |
| | Copperleaf Technologies | SEP 2019 - DEC 2019 | |
| | Software Engineer Co-op, Predictive Analytics Team | | |
| Education | <ul style="list-style-type: none">• Built an ML prototype, 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 resulted in 10-20% performance improvement and simplified user input.• Worked on the back-end of Copperleaf's monolithic product using C#, Oracle SQL DB, Visual Studio• Wrote an Automated machine learning experiment using Microsoft's AutoML and ML.NET library | | |
| | 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 5 semesters• Continuously achieved near perfect scores from end of term student evaluations | | |
| | University of British Columbia | Graduation: JUNE 2021 | |
| Projects | B.Sc Computer Science, Co-op, GPA 3.95 | | |
| | <ul style="list-style-type: none">• 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 - Parallelization | | |
| | Xeros multitasking Kernel | 2020 | |
| | C, i386, 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. | | |
| Skills | Jakarta EE Language Server for the Eclipse Foundation (Open Source Project) | 2020 | |
| | Java, JSON-RPC, Eclipse Plugin Development tools | | |
| | 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 web app and database to manage rockets, astronauts and cargo arriving at Elon's Martian city. | | |
| | Insight UBC | 2018 | |
| | Typescript, Node.js, Yarn, Mocha, Chai, TDD | | |
| | A query parsing engine for searching UBC course database with a DSL similar to SQL | | |
| | Proficient: C, C++, C#, Java, Python, JavaScript, Node.js, SQL, Linux, Bash, Git, Docker Familiar: Typescript, Erlang, x86 Assembly, Android Studio, OpenGL, Cloud Foundry, MongoDB, Selenium | | |