

Parsa Saeedi

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EDUCATION

University of British Columbia
Computer Science (BSc), Year 3

Sep 2020 – May 2026
Vancouver, BC

PROFESSIONAL EXPERIENCE

Alida Jan 2023 – Sep 2023
Software Developer Intern Vancouver, BC

- Developed new UI features using React.js, Redux, and TypeScript, enhancing the user experience.
- Developed and maintained micro-services and API endpoints using C# and Node.js.
- Operated with PostgreSQL and Microsoft SQL Server databases.
- Implemented rigorous unit and integration tests using Jest and NUnit.
- Led planning and breakdown on an epic, meeting project milestones and deadlines.
- Collaborated closely with developers and QA engineers in a Scrum environment using a CI/CD pipeline.

Microchip Sep 2022 – Dec 2022
Applications Engineer Intern Vancouver, BC

- Supported major customers such as IBM, Amazon, Hitachi, Fujitsu, and Lenovo in the adoption of Microchip products into their data centers, resulting in increased client satisfaction.
- Debugged C firmware code to identify root cause in complex customer issues.
- Engaged directly with major clients and created complex lab setups to reproduce reported issues.
- Developed Bash script to version-control and automate firmware compilation.
- Led internal hands-on training sessions on PCIe Switches.

BC Children's Hospital Research Institute Sep 2021 – May 2022
Software Developer Vancouver, BC

- Developed a full-stack web application to process and analyze transcriptome datasets for inferential use.
- Explored and engineered methods to extract, process, store, and analyze gene expression data using R.
- Developed a friendly UI to visualize gene expression data using R-Shiny, making transcriptome interpretation more accessible to the wider research community.
- Contributed to a research paper published in the Journal of Nucleic Acids Research.

TECHNICAL PROJECTS

PaletteFinder.com Jan 2023

- Developed a full-stack web app that transforms images into color palettes.
- Hosted React front-end on GitHub Pages.
- Containerized Node.js/Express server using Docker and hosted it on Google Cloud.
- Used the K-means algorithm to clusterize the image color space, enabling precise color quantization.
- Configured DNS server records, directing the domain name to two distinct servers.

InterSpot.net Aug 2022

- Developed a React web app that generates a Spotify playlist with the intersection of two users' favorite songs.
- Made HTTP calls to the Spotify API to retrieve users' playlists and generate new playlist filled with intersecting songs.
- Adopted the OAuth 2.0 authorization protocol to meet industry security standards.

TECHNICAL SKILLS

Languages: JavaScript/TypeScript, C/C++, Python, C#, Java, Swift, R, HTML/CSS/SASS

Libraries & Frameworks: React.js, Node.js, Express, Redux, .NET, Flask, R-Shiny

Tools & Technologies: GitHub/Git, Docker, Jira, Kibana, GoCD, Xcode

Databases: PostgreSQL, Microsoft SQL Server, SQLite3, MongoDB

Testing: Jest, NUnit, JUnit, Mocha, Chai