

# Parsa Saeedi

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## EDUCATION

**University of British Columbia**  
Computer Science (BSc), Year 4

Sep 2020 – Apr 2027  
Vancouver, BC

## PROFESSIONAL EXPERIENCE

### Checker Software

Sep 2025 – Apr 2026

*Full-stack Software Developer Intern*

Vancouver, BC

- Develop UI features using React, Next.js and TypeScript, improving performance, accessibility, and SEO.
- Implement and maintain back-end APIs and services in Node.js/TypeScript and C#.
- Build cross-platform desktop features with Electron, ensuring a seamless experience across web and desktop.

### Alida

Jan 2023 – Sep 2023

*Full-stack 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/integration tests using Jest and NUnit, reducing bugs and improving release confidence.
- 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*

Burnaby, BC

- Supported major customers such as IBM, Amazon, Hitachi, Fujitsu, and Lenovo in adoption of Microchip products.
- Engaged directly with major clients and created complex lab setups to reproduce reported issues.
- Debugged C firmware code to identify root cause in complex customer issues.
- Developed Bash script to version-control and automate firmware compilation.

### BC Children's Hospital Research Institute

Sep 2021 – May 2022

*Full-stack Software Developer*

Vancouver, BC

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

## TECHNICAL PROJECTS

### PaletteFinder.com (Demo video)

Jan 2023

- Developed a full-stack web app that transforms images into color palettes.
- Hosted React front-end on GitHub Pages and containerized Node.js/Express server with Docker on Google Cloud
- Used the K-means algorithm to clusterize the image color space, enabling precise color quantization.

### InterSpot.net (Demo video)

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

**Libraries & Frameworks:** React.js, Node.js, Next.js, Express, Redux, Electron, .NET, Flask

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

**Databases:** PostgreSQL, Microsoft SQL Server, SQLite3, MongoDB

**Testing:** Jest, NUnit, JUnit, Mocha, Chai