Jack Parsons

Computer Science Student

✉ jparsons@ualberta.ca   📞 123-456-7890   🌐 Portfolio   ⊙ jackparsonss   in jack-parsonss

Education

University of Alberta *BSc. Honors Computer Science*   *September 2020 - April 2024*

Relevant Coursework: Operating Systems, Software Engineering, Algorithms, Database Management, Computer Architecture, Machine Learning, Reinforcement Learning, Calculus I/II/III, Linear Algebra I/II

Work Experience

Okta – *Software Engineer Intern*   *May 2023 - August 2023*

- Co-led a significant code refactor project encompassing 4,000+ lines of code, successfully migrating over 1 million database entries seamlessly to users
- Built 2 complex internal RESTful endpoints in response to high user demand for a critical feature
- Collaborated with a cross-functional team of 10 engineers in an agile environment, ensuring seamless software delivery to users while maximizing the impact on user experience

Psystem – *Fullstack Developer Intern*   *May 2022 - August 2022*

- Architected a 3-tier app platform for the company founder, delivering seamless performance and user experience
- Deployed and scaled MVP to 10 beta testers, gathering valuable feedback for iterative improvements
- Designed and developed a RESTful API using Node.js, Express, and Mongoose, ensuring efficient data transmission and seamless integration
- Constructed CI/CD pipeline with GitHub Actions, accelerating development time by 30% for rapid, error-free software delivery

Extra Cirriculars

University of Alberta Formula Racing - *Autonomous Driving Co-Lead*   *August 2023 - Present*

- Co-leading a team of 3 to develop an MVP autonomous driving system for the clubs Formula One car
- Collaborating with cross-functional teams to integrate sensors and develop real-time control strategies

Personal Projects

Get Your Groceries ⊙ CMPUT301/F22T14/GetYourGroceries   *September 2022 - December 2022*

- Designed a comprehensive Android app using Java and Android Studio, empowering users to effortlessly manage ingredients, recipes, meal plans, and shopping lists
- Implemented various design patterns, including Singleton and Adapter patterns, to enhance the app's functionality and maintain code efficiency
- Worked with a team of 6 to plan, design, code, test, and pitch our app using Scrum Agile methodologies

Health Fusion(Hackathon Project) ⊙ jackparsonss/health-fusion   *January 2022*

- Mobile app geared for users managing medications, reducing cognitive overhead with a simple design
- Competing against 250+ developers, the app was produced over 24 hours, with a team of 4, during HackED 2022

Flavour Flow(Hackathon Project) ⊙ jackparsonss/Flavour-Flow   *September 2021*

- Constructed a website for users to enter ingredients and generate recipes for $0
- Product was fully manufactured in 36 hours, competing against over 1600 competitors during the Hack the North 2021 hackathon

Techical Skills

Languages: Python • JavaScript/Typescript • C/C++ • Golang • Java • MIPS Assembly • SQL • Matlab

Technologies: Git • Unix • Docker • Node.js • Next.js • React.js • React Native • Firebase • PostgreSQL • MongoDB