

ARDA BERKTIN

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My portfolio: www.ardaberktin.com

Education

University of Victoria

Faculty of Engineering and Computer Science
Bachelor of Software Engineering (3rd year)

Sep 2022 – Present

Victoria, BC

Expected Graduation: 2027

Relevant Courses:

CSC225—Algorithms and Data Structures, SENG265—Software Development Methods,
SENG 321—Requirement Engineering, and SENG310—Human Computer Interaction.

Technical Skills

- **Languages:** Java, Swift, SwiftUI, Python, React, Angular, Typescript, JavaScript, C, C#, HTML, PHP, CSS, ROBOTC
- **Operating Systems:** Windows 7/8/10/11, MacOS, iOS
- **Software:** Git, MS Visual Studio Code, Eclipse, Xcode, Android Studio, Adobe Photoshop, MS Office (Word, Excel, PowerPoint)
- **Hardware:** PCs, ARM Processors, VEX Kit

Work Experience

Software Engineering Intern | INSPIRE UVIC

September – December 2024

- Spearheaded the development of an AI-powered platform integrated with **D2L**, supporting 22,000+ students, with a focus on **neurodiverse learners**.
- Led interviews with 180+ students and faculty, using **design thinking** and **requirements engineering** to shape the product's core strategy.
- Developed AI-driven study tools, task management, and progress tracking using React.js, Node.js, and REST APIs, improving task efficiency by 20%.
- Engineered **secure authentication** and real-time data management with Firebase, enhancing platform performance and data security.
- Collaborated with global teams, including those in Nepal, using **agile** techniques like sprint planning, stand-ups, and retrospectives to ensure smooth project delivery.

Software Engineering Intern | ARD Group Information Technologies Inc.

May – September 2024

- Developed two new high-traffic pages for a government website with millions of daily interactions, using **Angular** for the frontend and **C# (.NET Core)** for the backend.
- Designed and implemented new **RESTful API** endpoints and backend functionality to support the website's expansion, ensuring seamless integration with the existing architecture.
- Enhanced the **Angular** frontend by building and optimizing **reusable components**, improving user experience and increasing feature delivery efficiency.
- Managed end-to-end development workflows, including code reviews, **testing**, and deployment, ensuring smooth delivery by pushing updates to testing branches and securing approval before merging to the main repository.

Technical Projects

Arda's Portfolio

Jan 2024 - Present

- Built a [portfolio website](#) that showcases my experiences, projects, and accomplishments in a visually pleasing way.
- Self-taught **React** to utilize it for the front end alongside **JavaScript**, **HTML** and **CSS**.
- Integrated **Google Analytics** to gather data about user interactions to detect issues and improve user experience.
- **Deployed** my React portfolio website on Hostinger with custom domain to make it live and accessible to everyone.

Money On Track

Dec 2023 – Jan 2024

Personal Finance App built with Swift

- Explored user and functional needs, resulting in a detailed software **requirements** document, and followed an **incremental** development process.
- Utilized Firebase API for authentication and database and **Open AI API** for financial education to satisfy user requirements.
- Applied **object-oriented** programming in Swift and designed the UI with Swift UI, adopting a **human-centered** design process.

Mount Doug Maps

June 2022 - June 2023

- Developed an iOS Maps app for Mount Douglas Secondary, displaying classroom locations.
- Self-taught **Swift** and Xcode, building on my earlier Android version developed in **Java**.
- Efficiently **tested** and debugged the application to ensure quality before deployment.

Volunteer Experience

Youth 20/20 CAN Victoria

October 2021 – February 2022

A volunteering team in Victoria, BC

- Actively participated in **brainstorming** sessions to create projects benefiting homeless individuals in Victoria.
- Went door to door to collect **donations** for homeless individuals and delivered them on Christmas.
- Had a meeting with **Prime Minister Trudeau** and the **Mayor of Victoria** with a team of ten students to brainstorm and discuss, using my **communication** skills, how to slow down climate change in Canada.

Activities and Interests

Assembling 3-D metal, cardboard and wood puzzles, skiing, and playing basketball.

References

Fulya Yildirim
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