

# Jeremy Wiens

Fort Myers, FL

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Programming languages: Java, Typescript, Scala, Python, C#  
Skills: AWS, Docker, Spring, Angular, React, Git, Apache Spark

## EDUCATION

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**University of British Columbia**

*Engineering Physics - Software Specialization*

Grad. May 2021

Grade: 86%

## EXPERIENCE

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**Sonos**

*Cloud Platform - Software Engineer*

November 2021 - present

(Remote work)

- Led and deployed a project that enables back end services to support a new product type with a projected revenue of \$10-20 million per year.
- Designed, planned, and led the development of a new service-to-service eventing system used by internal services at Sonos built with AWS **SNS** and **SQS**.
- Implemented several APIs for a new **Java** service to manage location hierarchies, which are stored in AWS **RDS**.
- Mentored an intern in the summer of 2023, offered technical guidance and insight on how to become a well-rounded software engineer.
- Joined the on-call rotation to monitor and maintain the Cloud Platform's services.

**Sonos**

*Cloud Platform - Software Intern*

Summer 2020, Summer 2021

(Remote work)

- Developed a service that exported data to **DynamoDB** nightly with a State Machine, created a **Lambda** function to utilize this data, and exposed the Lambda with AWS **API Gateway**.
- Designed and implemented a RESTful Web service with **Java** and **Spring** to mock part of Sonos' back end.

**Visier**

*The Scalability Team - Software Intern*

January 2019 - August 2019

Vancouver, BC

- Decreased hardware requirements for Visier's extract, transform, load (ETL) pipeline using **Apache Spark - Scala** and data shuffling.
- Optimized a transitive closure algorithm's runtime by 67% with improved **Spark** partitioning and caching.
- Found a garbage collection bottleneck and reduced memory requirements by 40% for memory-constrained data loads using a Least Recently Used cache.

**Geering Up**

*Workshop Instructor*

January 2018 - April 2018

Vancouver, BC

- Taught **Python** and other technical engineering topics at grade schools in the Vancouver area.

## PROJECTS

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**Daily Bids**

*Personal Project*

October 2019 - May 2021

[dailybids.ca](http://dailybids.ca)

- Created a serverless web app to buy and sell used items locally, through bidding, using **Angular**, **RxJS**, and **Firebase**.
- Developed an algorithm to index and fetch search results using **Firestore**.
- Implemented the pages to upload, search for, display, and bid on items.

**Daily Dash**

*UBC - CPEN 321*

October 2020 - December 2020

[github.com/n-lina/Daily-Dash](https://github.com/n-lina/Daily-Dash)

- Developed a motivational goal-setting app with **React Native**, **Node.js**, and **MongoDB**.
- Placed first out of 26 teams. Our app specialized in code design, component structure, and development process.
- Designed and created the awards system, goal tracking component, and end-to-end user authentication.