

Johan Boll

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Education

AUGUST 2017 - DECEMBER 2021

University of Washington, Seattle – *Bachelor of Science* Computer Science (GPA – 3.87)

- Annual Dean's List: 2017, 2018, 2019
- Relevant Coursework: Data Structures & Parallelism, Data Visualization, Computer Graphics.

Skills

Programming Languages - Java, Javascript/Typescript, C++, C, HTML, CSS, Swift, Python, Linux.

Relevant Tools: React, Git, OpenGL, Firestore, Bash, Qt, Xcode.

Foreign Languages - Dutch

Projects

OCTOBER 19, 2020 - OCTOBER 20, 2020

un.bored – *DubHacks 2020*

- Group collaborated project for DubHacks 2020, coded in 24 hours.
- Created in React using **Javascript**, **HTML**, and **CSS**. Handles reading and writing from a **Firestore** database, search functionality, routing, and a user profile feature.
- Designed to be an environment where people could easily view and upload pandemic safe activities.

FEBRUARY 21, 2020 - FEBRUARY 28, 2020

Seam Carving – *Data Structures and Parallelism*

- Class project coded in **Java**, this program generates a graph of each pixel's energy (importance) and applies an A* shortest path algorithm to find and then remove the seam of least importance.

APRIL 4, 2020 - JUNE 4, 2020

Search Engine – *Systems Programming*

- Using my **C++** implementation of a LinkedList and HashMap, this program crawls and parses every file in a given directory and stores an encoded inverted search index onto disc. Then created a web server online by binding server and client sockets to enable web interaction with the search shell.

See more at <https://johans-portfolio.netlify.app/>

Experience

SEPTEMBER 2019 - JANUARY 2020

University of Washington Copy Center, Seattle – Student Worker

- Worked directly with clients to turn custom print requests into high quality finished products.
- Developed organization skills and learned the importance of attention to detail.

JUNE 2018 - AUGUST 2018

Washington State University, Pullman – Lab Technician

- Tested composite samples, operated and maintained lab equipment.
- Refined communication and collaboration skills and advanced Excel operations.

Leadership

MAY 2018- MAY 2019

Kappa Sigma Fraternity, Seattle – President

- Overlooked all fraternal operations, managed a quarterly budget of over \$90,000
- Member of the Interfraternity Council's legislative body, governing all fraternal life at UW.
- Founders Award of Chapter Excellence (2018) awarded to the top 5% of Kappa Sigma chapters.

Activities

- Over 300 hours of community service since Fall 2017 (OpRed Dinner, MS Walk, EarthCorps, Hot Chocolate Run, Green Seattle Partnership, Relay For Life, WOU Food Pantry).