

David Song

*David Song is a freshman at the University of Washington majoring in computer science
with two years of programming experience*

SKILLS

Languages | Java • JavaScript
Technologies | Git • Android • Google Drive API • Google Sheets API • Node.js • Express
Tools | VSCode • Android Studio • LaTeX • MS Office

EDUCATION

University of Washington

BACHELOR OF SCIENCE – *COMPUTER SCIENCE*

Seattle, WA

Expected Graduation: **Spring 2025**

Relevant Coursework: Data Structures, Object-Orientated Programming, Calculus I & II (upcoming)

Skyline High School

HIGH SCHOOL DIPLOMA, *Summa Cum Laude*

Sammamish, WA

Fall 2017 – Spring 2021

INTERNATIONAL BACCALAUREATE CAREER PROGRAM DIPLOMA – *COMPUTER SCIENCE*

GPA: 4.0 | National Honor Society

PROGRAMMING PROJECTS

LapTimer Mobile App | Personal Project

June 2021 – Present

- Developed an **Android (Java)** stopwatch app for coaches and athletes to simultaneously track the lap times for up to 8 participants
- Implemented seamless compatibility for different device screen sizes and orientation changes
- Currently available on the Google Play Store in Early Access and planned for release to iOS using **Flutter**

VaxTrack Website | High School Group Project, **Project Manager**

May 2021 – June 2021

- Oversaw the development of a website for employers to collect and archive employee vaccination statuses using **Node.js** and **Express**
- Detailed a project charter and designed the entire website UI
- Supervised the 5-person team with daily standups and a Gantt Chart to monitor progress, reallocating team members to wherever progress was slower than expected

Attendance Report | Personal Project

June 2021 – August 2021

- Built a **Maven Java** project to improve the ease of record keeping for high school club leadership
- Automated the retrieval of attendance from Google Forms located on Google Drive using the **Google APIs**
- Users can filter the results by choosing the specific Google Forms and the minimum attendance requirement
- Currently employed by 4 clubs (all 15+ members) at Skyline High School

Volcano Tracker Lab | International Baccalaureate (IB) Internal Assessment

December 2020 – February 2021

- Automated the data collection for an *IB Mathematics Higher-Level* lab assignment
- Parses 42 pictures obtained from the U.S. Geological Survey of the 2018 Kilauea Volcanic Eruption in Hawaii using **Java** and draws the daily surface area of the lava flow on a **JFrame** for the user
- Calculates the lava flow's change in total surface area and its leading edge over the course of the eruption and outputs it to a Microsoft Excel spreadsheet (.csv file)