David Song

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

SKILLS

Languages	**:** Java • JavaScript • HTML • CSS
Technologies	**:** Git • Android • Google Drive API • Node.js • Express
Tools	**:** VSCode • Android Studio • LaTex • MS Office
Professional Skills	**:** Growth Orientated • Leadership • Teamwork • Driven

EDUCATION

University of Washington   Seattle, WA
BACHELOR OF SCIENCE – *COMPUTER SCIENCE*   Expected Graduation: **June 2025**

Skyline High School   Sammamish, WA
HIGH SCHOOL DIPLOMA, *Summa Cum Laude*   **September 2017 – June 2021**
INTERNATIONAL BACCALAUREATE CAREER PROGRAM DIPLOMA – *COMPUTER SCIENCE*
GPA: 4.0 | National Honor Society
Relevant Coursework: Intro to Computer Programming, Calculus I

RELEVANT PROJECTS

Lap Timer 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 Internal Testing 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 **MongoDB**, **Node.js**, and **Express** (**JavaScript, HTML**)
- Designed the entire website UI and detailed a project charter.
- 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**
- Identified and remedied an inconvenience for student club presidents at Skyline High School.
- Built a **Maven Java** project to improve the ease of record keeping for high school club leadership by automating the retrieval of attendance from Google Forms located on Google Drive using the **Google APIs.**
- Currently employed by 4 clubs (all 15+ members) at Skyline High School.

Volcano Tracker Lab | International Baccalaureate (IB) Internal Assessment   **November 2020 – January 2021**
- Automated the data collection for an IB Mathematics Higher-Level lab assignment by parsing 42 pictures obtained from the U.S. Geological Survey of the 2018 Kīlauea Volcanic Eruption in Hawaii using **Java.**
- Applied object-oriented concepts to draw and calculate the lava flow's change in total surface area and leading edge over the course of the eruption, outputting to a Microsoft Excel spreadsheet (.csv file).