

Stuart A. Irwin

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Education -

Issaquah High School, August 2014 - June 2018

- A in AP Computer Science
- Earned score of 1320 on SATs

Washington State University, August 2018 - future

Extracurricular Experience -

Lead Scouting Programmer, September 2015 - July 2018

Issaquah Robotics Society, FRC team 1318

- Trained and led a small team in creating a professional application for data collection and analysis.
- Kept the system operational through more than 500 separate matches, from Auburn Mountainview High School to Houston World Championships.
- Personally built large portions of system, including Android input system and html graphing interface.

Android Developer, November 2016 - December 2017

- Published small free android game, Ten Seconds to Symmetry, on the Android Play Store.
- Randomly generated grid of squares, shown on top and bottom of screen. Locate the single difference.
- Currently implementing Hexagonal gamemode, using custom LayoutManager.

Programming Consultant, October 2017 - present

- Assisted multiple solo game developers with code and technique
- Worked alongside a friend to place in the advanced division of a local coding competition, using the programming language Kotlin.
- Submitted to multiple Github projects, including Autodesk's Synthesis.

Concert Chorus, August 2014 - present

- Earned II, or 'Excellent', at regional Solo and Ensemble Competition.
- Held cabinet position for two years.
- Master of ceremonies for school hosted event.

Midsummer Night's Dream Actor, August - November, 2018

- Performed through five shows.
- Second cast member to be fully memorised.

Volunteering -

Summer Camp Counselor, July 31 - August 4, 2017

Sammamish Girl Scout Day Camp

- Lead group of 20 boys, relatives of camp volunteers.
- Guided and assisted children through various crafts and games.

Robotics Outreach Speaker, September 2015 - present

Issaquah Robotics Society, FRC team 1318

- Helped at over 30 events, in all kinds of festivals and fairs.
- Invited to Boeing Family Days, and elementary science fairs.
- Demonstrated science and technology to many people.

Boy scout, ~ 2012 - 2016

- Graduated from Cub Scouts with Arrow of Light.
- Volunteered with troop for many separate projects.
- Participated in two 50 mile High Adventure backpacking trips.

Actual Jobs -

Youth Camp Counselor, June - July, 2018

Corporate Kids Events

- Helped overseeing 2nd grade children through a large conference.

Courtesy Clerk, July - August, 2018

Quality Food Centers

- Worked various front end tasks such as greeter and bagger.

Skills -

Knowledgeable in a range of applications

- Object Oriented Programming - C#, Java, Python,
- Functional Programming - Kotlin, Haskell,
- Web Server Development - HTML, Javascript, JSON,
- Data Analysis - SQL, R, Tableau,

Lead a team of rookie students on a major technical project

- Built a stable and complex system for competition.
- Used UML to design a solid, reusable database.
- Used to plan strategies and reach the robotics world semifinals.

Built custom Arch Linux distro for development work

- Dual boot hand configured with Grub.
- Dynamic Window Manager (dwm) modified from source code.
- Personal bash scripts running vital background functions.