**Hanna Brender**

**Education**

**Gonzaga University** 2016 – 2020

Bachelor of Science in Computer Science *Spokane, WA*

GPA: 3.99

**Study Abroad** Summer 2018

*Florence, Italy*

**Work Experience**

**Android App Development Contractor** at Gravity Jack

*May 2020 – Present**in**Spokane, WA*

* Lead Android developer on a social distancing app
* Implemented all screens to match given designs
* Designed and implemented the local database
* Created demo-videos to communicate progress with client

**Software Engineering Intern** atGravity Jack

*Jan – May 2020**in**Spokane, WA*

* Converted AR Android app from a cloud service backend to a standalone app that can be demonstrated to clients
* Implemented a proof of concept AR Android app that helped the company secure a contract.
* Applied modifications to a web wrapper Android app per the client’s request.

**Software Engineering Intern** *at Boeing (Advanced Unmanned Systems)*

*May – Aug 2019 in Tukwila, WA*

* Developed a simulation management user interface for Boeing’s ground control station software
* Modeled and processed simulation protocol data passed over the wire
* Designed multiple GUIs and created unit tests using Java and Swing.

**Teaching Assistant** at Gonzaga University (*Computer Engineering Lab)*

*Aug 2018 – May**2019**in**Spokane, WA*

* Guided students through digital logic and assembly labs
* Helped students troubleshoot and debug their circuits and code
* Graded student lab reports

**Projects**

SpiroDVT Android Application Aug 2019 – May 2020

* Year-long senior design group project to create an Android app that links to electronic medical devices (spirometers) and allows medical professionals to easily monitor patient post-surgical progress.
* Responsible for designing and implementing the local SQLite database and the user interface.
* Project was a finalist for 2019 Health Innovator of the Year for Health Innovation Northwest.

[hbrender615@gmail.com](mailto:hbrender615@gmail.com)

425-269-0198

11414 NE 90th St. Kirkland, WA

**Skills**

Android App Development

Java

HTML/CSS/JavaScript

Git/Github

MySQL

Node

React

MongoDB

Python

C++

**Activities**

Gonzaga Math Tutoring Outreach

* Fall 2017 – May 2020
* Tutoring 1st-12th grade students in math

Women in Computing Club

* Fall 2017 – May 2020

Society of Women Engineers

* Fall 2017 – May 2020

**Relevant Coursework**

Data Structures and Algorithms

Object Oriented Programming

Database Management Systems

Web Development

Mobile App Development

Human Computer Interaction

Data Visualization

Software Engineering

Computer Security Computer Graphics

Assembly Programming

Artificial Intelligence Programming Languages

Operating Systems