Hanna Brender

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Education

Gonzaga University	Graduated May 2020
Bachelor of Science in Computer Science	*Spokane, WA*
GPA: 3.99	
Study Abroad	Summer 2018
	Florence, Italy

Work Experience

Gravity Jack — Jan – May 2020
Software Engineering Intern, Augmented Reality Android App Development — *Spokane, WA*

Converted an 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.

The Boeing Company — May – Aug 2019
Software Engineering Intern, Advanced Unmanned Systems — *Tukwila, WA*

Developed a new 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 icons, and created unit tests using Java.

Gonzaga University — Aug 2018 – May 2019
Teaching Assistant, Computer Engineering Lab — *Spokane, WA*

Guided students through their digital logic and assembly labs, answered questions, helped students troubleshoot and debug their circuits and code, and 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.

Activities

Gonzaga Math Tutoring Outreach: Tutoring 1st-12th grade students in Math	Fall 2017 – May 2020
Women in Computing Club	Fall 2017 – May 2020
Society of Women Engineers	Fall 2017 – May 2020

Relevant Coursework

Data Structures and Algorithms	Software Engineering	Assembly Programming
Object Oriented Programming	Artificial Intelligence	Organization of Programming Languages
Database Management Systems	Computer Security	Computer Graphics
Mobile App Development	Operating Systems	Web Development
Human Computer Interaction	Data Visualization	

Skills

Java   Python   C++   MySQL   Android Development   Git/GitHub   HTML   CSS   JavaScript