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# Andrew Harrah

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Ambitious software developer with a vast range of technical skills. Important relational skills from previous work experience, as well as thorough knowledge of programming and application design.

## EDUCATION

**University of Portland**, Portland OR

May 2021

*Bachelor of Science - Computer Science*

## TECHNICAL SKILLS

Java, C, C++, Python, Linux, SQL, Node.js, HTML, CSS, Javascript, Git, Android Development

## RELATED PROJECTS

### Operating Systems - 2020

- Working for a semester using linux and C programming to learn about the ins and outs of operating systems.
- Became fluent in C and learned how to visualize problems and solve them in different ways.

### Computer Graphics - 2019

- Used OpenGL and HTML to learn about graphics and how to design moving and 3D objects.
- Came out of the class with a strong background in the history of computer graphics.
- Created a a moving 3D forest for our final project.

### Programming Languages - 2019

- First class where one of the main focuses was C++, the language I primarily code in now.
- Learned the basics of Haskell, Prolog, C++, and Python. Learned what makes a programming language different from another and the reasoning behind the design decisions that go into making a new one.

### Senior Capstone (Tektronix) - 2020

- Used Python on a team of 4 to develop a machine learning model that predicts the type of wave coming into a Real Time Spectrum Analyzer.
- Attended weekly sprint planning sessions to determine to plan for our project each week.
- Finished product accurately classifies waves as FM, AM, WiFi, or Bluetooth.

## OTHER EXPERIENCE

*President - University of Portland Lacrosse Club*, Portland OR

August 2019 - May 2020

- Managed thousands of dollars of club funds throughout the season.
- Set up regular meetings with coaches and advisors.
- Organized practices and games with 20+ team members.

*Employee/Trainer - Keller Supply*, Portland OR

October 2015 - January 2020

- Used ETERM software on a daily basis for inventory management.
- Set up an entire computer network for one of the new branch offices.
- Worked in Oakland, CA for a month training new employees on the ETERM software.