MATTHEW HOWELL

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I am a technology enthusiast with three years of experience in the Information Technology field. I recently graduated from Clemson University with a Bachelors of Science in Computer Science. I also have three years of experience in IT Support.

HIGHLIGHTED SKILLS

- Virtual Reality Systems (CPSC 4110)
  - **Conceived, designed**, and **built VR animation** software in a group of four using **C#** and **Unity**
- Software Engineering (CPSC 3720)
  - **Designed and documented software** implementation for a fictional business including:
    - Point of Sale, Time tracking, account and order management systems.
    - Concepts: Unit testing, UML, subsystem decomposition, user stories, acceptance testing
    - Concepts: Agile development methodologies, such as Scrum and Extreme Programming
- 2D Game Engine Construction (CPSC 4160)
  - Built a **2D game** using **C++** and **SDL2**
  - Expanded knowledge of iterators, const, pointers, object oriented design, and polymorphism
- Algorithms and Data Structures (CPSC 2120)
  - Built a **search engine** in **C++**
  - Concepts: Big-o notation, trees, maps, sorting, run-time analysis, Dijkstra's algorithm
- Software Development Foundation (CPSC 2150)
  - Developed a basic **book catalog program** using **Java** and **Swing**
  - Concepts: Software design patterns (Observer, Singleton, Decorator, etc)

EDUCATION

Clemson University, Clemson, SC

- BS in Computer Science *GPA: 3.36*
- Expected graduation: **May 2018**

PROFESSIONAL EXPERIENCE

Clemson University, Clemson, SC

IT Support Assistant, College of Business, August 2015 – May 2018

- Provide on-site, telephone, and remote assistance to university faculty, staff and graduate students
- Assist with maintenance and organization of **Active Directory**
- Assist users with **Exchange** accounts across MacOS, Windows, Android, and iOS
- Provide training for new employees
- Manage tickets using **BMC FootPrints**

Wall-Mart Inc., Easley, SC

Electronics Sales Associate, August 2014 – February 2015

- Determined customer needs and assisted with hardware purchase recommendations
- Worked with a team of 6+
- Maintained organization of department

ACHIEVEMENTS AND INTERESTS

- Maintenance of a self run website and creation of web apps using skills such as
  - **Linux Administration, JavaScript**, **PHP, Redis, NodeJS**
  - Amazon Web Services
- **Comptia A+ Certification** (Expired 05/12/2017)
- Placed 3rd in the Pickens County **VEX Robotics competition**
- Computer hardware and networking (Built & run home server, several desktop computers)

Learn more about me and my latest projects by visiting my website at howell-info.us