

Christopher A. Frome

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EDUCATION

James Madison University – Harrisonburg, VA

Graduating May 2018

- B.S. in Computer Science
- Environmental Information Systems Minor
- Dean's List spring 2017
- Current GPA: 3.0

RELEVANT COURSEWORK

- **Algorithms and Data Structures**
 - Used the C++ language to learn the fundamental data structures in computer science
- **Computer Systems I & II**
 - In the first course we learned about the underlying components of computer systems and built the components for a single computer system simulator
 - In the second course we built on knowledge from the first course, learning about state machines, multi-threading/multiprocessing, and basic networking
- **Software Engineering**
 - Used the scrum process and Java/Java swing to build a application that used a GUI to search loaded documents for instances of a particular string and returned the paragraph of the file to the user
- **Database Design and Application**
 - Used MySQL to improve on and fix a previous version of the Cantus Chant Manuscript Database
- **Modeling and Simulation**
 - Learned various methods of simulation/modeling and created a project using discrete event simulation that modeled and simulated a factory receiving, making, and shipping parts
- **Environmental Information Systems**
 - Learned how GIS relates to environmental science and designed a specification for a GIS-based environmental information system

SKILLS / STRENGTHS

- **Programming languages:** Java, C/C++, HTML, CSS, JavaScript, PHP, SQL
- **Software:** nano, vim, Git, ArcGIS, ArcMap, Eclipse, Vagrant, Laravel, GDB
- **Operating Systems:** Windows, Linux- Linux mint 18

EXPERIENCE

Stratus Solutions, Fulton, MD

June 2016 – August 2016

Technology Intern

- Used the Laravel framework to develop new modules for the employee portal, which interfaced with different software applications RESTful APIs to gather information used in each module.
- Modules were written in HTML, CSS, PHP, JavaScript, and used the Unirest client to make HTTP requests

EXTRACURRICULAR ACTIVITIES

Member, Cyber Defense Club

Fall 2016 – present

- Meet to learn different security tools, get hands-on experience in the Cyber Security lab, and prepares for and participate in the Collegiate Cyber Defense Competition

Secretary, Unix Users Group

Fall 2016 – present

- Meet to discuss and learn about various topics related to computer science

Member, Association of Computing Machinery, student chapter

Fall 2017 – present

- Provides opportunities for connecting with other students and volunteering at JMU

Member, National Society of Leadership and Success

Fall 2015 – present

- Inducted member

Boy Scouts of America

2007 – present

- Eagle Scout with Silver Palm (15 extra merit badges), 2013

Boy Scouts of America, Order of the Arrow (Scouting's Honor Society)

2011 – present

- Vigil Honor, 2014 - The Vigil Honor is the highest honor in the Order of the Arrow