

SAM SCHOBERG
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Objective: To secure an internship opportunity for the Fall of 2019 where I can learn from senior engineers, apply what I've learned in the classroom, and develop real-world code.

Education:

University of Maryland, University Honors College
B.S. in Computer Science, B.A. in Spanish

Anticipated Grad Year – 2021
August 2017 – Current

Experience:

Capital One Bank

Incoming Software Engineering Intern

May 2019 – August 2019

Richmond, VA

University of Maryland, Physics Department

PHYS444 Teaching Assistant

August 2018 – December 2018

College Park, MD

- Created Python, basic machine learning, and deep learning tutorials.
- Develop code examples and explanations for Google Tensorflow, Keras, and sklearn.
- Test and create solutions to computing homework exercises.
- Grade student code and provide feedback.
- General student assistance with computing exercises and the Linux environment.

MAGIC Computing Cluster

System Admin/ Team Leader

July 2018 - Current

Westminster, MD

- Lead a team of students to create a computing cluster in my hometown.
- Install and configure cluster management tools (NIS, crontab, shell scripts).
- Oversee the documentation and public facing webpages.
- Work and plan with MAGIC leadership and public library IT services.

T3 Cluster at University of Maryland

System Administrator

January 2018 – May 2019

College Park, MD

- Created Python scripts to monitor student usage and email sysadmins with issues.
- Wrote shell scripts for mass user deletion or creation.
- Mounted a new node to the cluster and configured monitoring with crontab.
- Node by node update the operating systems to Scientific Linux 7.

Kite Technology Group

Engineering Intern

May 2017 – August 2017

Baltimore, MD

- Created VMs with Oracle VM Box to perform backup verifications for clients.
- Reinstalled operating systems to fix computers with crypto viruses.
- Performed hardware replacements on faulty PCs.
- Visited clients to resolve general IT issues.

Relevant Coursework and Personal Projects

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| <ul style="list-style-type: none">• Priority Queue<ul style="list-style-type: none">◦ C, implemented a priority queue using linked lists and C memory management.• Maze Solver<ul style="list-style-type: none">◦ Ruby, read in a text file containing coordinates that represent a maze, printed and solved the maze using BFS. | <ul style="list-style-type: none">• Small-C<ul style="list-style-type: none">◦ OCaml, implemented a lexer, scanner, and recursive descent parser to compile programs written in Small-C.• QWERTY<ul style="list-style-type: none">◦ Python, designed the back end intent management for a chat bot using Google's Dialogflow. |
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Skills

Java – Proficient
Eclipse – Proficient
Python – prior experience

Linux – Proficient
Shell scripting – prior experience
Spanish – Maryland State Seal of Bi-Literacy