SAM SCHOBERG
(410) 725 8164 • stschoberg@gmail.com
samschoberg.com • linkedin.com/in/stschoberg

<u>Objective</u>: To secure an internship for Summer 2020 on a data driven, full-stack development team where I can learn from senior engineers and make meaningful contributions to the codebase.

<u>Education</u>:

University of Maryland, University Honors College	Anticipated Grad Year – 2021
B.S. in Computer Science, B.A. in Spanish, Minor in Statistics	August 2017 – Current

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<u>Experience</u>:

Capital One Bank   May 2019 – August 2019
Software Engineering Intern   Richmond, VA
- Responsible for modernizing a web app to visualize graphs for job dependencies and workflows.
- Decreased object render time by implementing a BFS to query jobs in the graph database.
- Redesigned and reimplement the UI using React, redux, and material-ui.
- Used git for source control and worked in the agile framework.

University of Maryland, Physics Department   August 2018 – December 2018
PHYS444 Teaching Assistant   College Park, MD
- Created basic machine learning and Python tutorials.
- Develop code examples and explanations for shell scripts, 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.

T3 Cluster at University of Maryland   January 2018 – May 2019
System Administrator   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.

<u>Personal Projects:</u>
- BikeShare Data Analysis:
  - Performed geographical and basic statistical analysis on bikeshare data with python and Maps API. Hosted a Heroku app to display the results.
- Maze Solver:
  - Leveraged Ruby to read in a serialized maze file. Implemented functions to pretty-print the maze and solve it using a BFS.
- Budgeteer Alexa Skill:
  - Used AWS to link Alexa and DynamoDB to a lambda function to handle user intents. Wrote the lambda function to parse intents and craft responses based on saved data in DynamoDB.
- Small-C:
  - Implemented a Lexar, scanner, and parser in Ocaml to compile programs written in the fake language "Small-C."

<u>Relevant Coursework:</u>
- Object Oriented 1,2
- Introduction to Algorithms
- Algorithm Design and Analysis
- Advanced Data Structures

<u>Skills and Technologies:</u>
- Python, Java, Linux, Shell scripts, React/Redux, Git/Github, Agile Development.
- Leadership and Communication:
  - President of Phi Sigma Kappa Fraternity. Work with school officials, student leaders, and national organization to manage an 80-person organization. Oversee a five-person executive board and 20 chair positions.