

Hamish Pierpont

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Education

University of Florida

Gainesville, FL

B.S. IN COMPUTER SCIENCE AND MATHEMATICS

Dec. 2021

- GPA: 3.78
- Relevant Coursework: Data Structures and Algorithms, Algorithm Design and Analysis, Databases, OS, Intro to Data Science, Applied ML
- Study Abroad: British Life and Business program at the Foundation for International Education, London, UK (Summer 2018)

Industry Experience

Capital One

New York, NY (remote)

SOFTWARE ENGINEERING INTERN

Jun. 2021 - Aug. 2021

- Designed an API on Capital One's API Exchange that sources security vulnerability data from an automated API security scanner
- Provisioned an AWS ALB and Python Lambda function to serve content from the API
- Earned Capital One's Certified Secure Software Engineer Associate certification

Capital One

McLean, VA (remote)

SOFTWARE ENGINEERING INTERN

Jun. 2020 - Aug. 2020

- Built a Node-consumable Web SDK in Typescript with three other interns for a visual regression testing platform
- Laid groundwork for integration of the SDK into CreditWise's end-to-end testing layer with Cypress
- Refactored web SDK to comply with TypeScript's Strict Mode, allowing more seamless integration into other TypeScript projects
- Praised by tech lead for consistent, high-quality documentation

Naval Information Warfare Center, Atlantic

Charleston, SC

DATA SCIENCE INTERN

May 2019 - Aug. 2019

- Implemented a GUI-based application using Python3 and the Kivy framework that is deployed to users in the US Department of Defense
- Dramatically simplified user interactions with proprietary radio software
- Saved the command approximately \$200,000 & earned an On-The-Spot award for exceptional work ethic and quality

Asset Mapping (now Metrikus)

London, United Kingdom

SOFTWARE DEVELOPMENT INTERN

Jul. 2018 - Aug. 2018

- Automated internal documentation processes with a Python program, helping to ensure compliance with UK regulations
- Learned how to code effectively in a team environment
- Participated in code reviews with developers throughout organization in the UK and remotely in Poland

Teaching Experience

Teaching Assistant - Programming 1, Discrete Structures, Data Structures and Algorithms

Gainesville, FL

UF CISE

Aug. 2019 - Dec. 2021

- Led in-person and remote discussions of up to 75 students
- Wrote starter code and recorded a YouTube tutorial for unit testing with the Catch2 framework
- Implemented a hint generator for C++ coding questions in Python3 code using the Stepik platform

Projects

DRIPMaP (CEN3031 Group Project)

[HTTPS://GITHUB.COM/HAMISHPIERPONT/DRIPMAP](https://github.com/HamishPierpont/DRIPMAP) | [HTTPS://DRIPMAP.HEROKUAPP.COM](https://dripmap.herokuapp.com)

- Implemented a website with MongoDB, Express, React and Node that allows users to upload pictures of disaster areas to a Google Maps-based interface
- Implemented backend/login/database functionality and tested routes with Postman