CURTIS T. DAVIS

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EDUCATION

University of South Florida   Tampa, FL
USF Accelerated Master's Degree Program in Computer Science   GPA: 3.9
Master of Science in Computer Science   Expected: *Dec 2021*
Bachelor of Science in Computer Science   Obtained: *Dec 2020*

Master's Thesis
- Project consists of creating an interactive dimension reduction program using high-order spanning trees to provide visuals and insights of the properties of high-dimensional data.

Relevant Courses:
- Computational Methods for Imaging, Geometric Modeling, Computational Geometry, Analysis of Algorithms, Data Structures, Object Oriented Software Design, Hadoop and Big Data, Software System Development, Operating Systems, Linear Systems, and Software Engineering

Language and Technology Proficiencies:
- Python (*Flask, scikit-learn, NumPy, pandas)*, JavaScript (*Node, D3, React, React Native*), TypeScript, Dart (*Flutter*), CSS3, HTML5, C++, Java, Git

EXPERIENCE

American Express   Phoenix, AZ
Software Analyst – Intern   *June 2021 – August 2021*
- Developed an internal Node.js web application, to help better the efficiency and management of other platforms and services at American Express.
- Worked on a back end automation service where scripts processed and utilized various data.
- Built upon many leadership and engineering skills through the help of my mentors and peers.

University of South Florida   Tampa, FL
Teaching Assistant   *January 2021 – Present*
- Assist with grading assignments and exams, as well as helping students understand the material.

University of South Florida   Tampa, FL
Technical Lead / Research Assistant   *October 2020 – Present*
- Leading a team of developers through designing and developing an application for the USF College of Public Health, to help users self-manage their asthma via their smartphones.
- Act as an overseer of technical questions and issues, to ensure teammates can grow and perform well on the project.

Ace Hardware   Wimauma, FL
Sales Associate   *February 2020 – January 2021*
- Help understand customers' needs and plans, then work to procure them a satisfying solution.

University of South Florida   **Tampa, FL**
Research Assistant   *May 2020 – December 2020*
- Research included creating a new automatic mapping and layout algorithm for Reeb graphs.

The Home Depot   Ruskin, FL
Tool Rental Technician, Sales, & Lumber Associate   *January 2016 – July 2019*
- Rebuilt broken machines and tools; repaired internals including electronics in such machines.

ACTIVITIES

Competitive Programming Society, *Member*   *January 2019 – Current*
White Hatters Computer Security Club, Member   *January 2019 – Current*
Robotics Team, *Team Leader*   *January 2016 – May 2016*