

# CURTIS T. DAVIS

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## OBJECTIVE

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Adept Software Engineer with over three years of experience developing applications. A determined student who intends to use his education and strong leadership skills to obtain an apt position in Software Engineering and Development.

## EDUCATION

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### University of South Florida

Tampa, FL

USF Accelerated Master's Degree Program in Computer Science

*Master of Science in Computer Science*

Expected: Dec 2021

*Bachelor of Science in Computer Science*

Expected: Dec 2020

GPA: 3.5

**Relevant Courses:** Analysis of Algorithms, Data Structures, Object Oriented Software Design, Hadoop and Big Data, Software System Development, Operating Systems, and Linear Systems

## SKILLS

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### Language and Tool Proficiencies:

- **Proficient:** C++, JavaScript (*D3, React*), CSS, HTML, Python, Git
- **Familiar:** Hadoop, Spark, C, C#, Java, Assembly, Flutter

## RESEARCH

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### Undergraduate Research Assistant

May 2020 – Present

Research includes creating and implementing new automatic mapping and layout algorithms for Reeb graphs. Currently being developed using the D3.js library.

### Compression Program

Spring 2020

Developed a program in C++, which can compress and decompress multiple file types. The program features various implementations of compression algorithms, including Huffman and Lempel-Ziv.

## EXPERIENCE

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### Ace Hardware

Wimauma, FL

*Sales Associate*

February 2020 – Present

- Help customers draw plans and ensure they find the necessary information for their projects.

### 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

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Competitive Programming Society, *Member*

January 2019 – Current

White Hatters Computer Security Club, *Member*

January 2019 – Current

National Honors Society, *Officer*

August 2015 – May 2016

Robotics Team, *Team Leader*

January 2016 – May 2016

## HONORS & AWARDS

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Ace Mentor Engineering Scholarship

Bright Futures Academic Scholars Award