

# THOMAS JOHNSON

(813) · 291 · 6200 ◇ tjjohnson534@gmail.com ◇ [Github XMfit](#) ◇ [Linkedin thomas-johnson](#)

## EDUCATION

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### Florida Institute of Technology 3.54 / 4.0 GPA

August 2020 - May 2024

*B.S in Software Engineering*

*Melbourne, FL*

Recent dean's list college graduate looking for growth opportunities. I am a motivated learner, and self starter that has acquired plenty of academic experience in software engineering and computer science principles. I have also gained collaborative experience and communication skills as both a leader, and contributor.

## WORK EXPERIENCE

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### Evans Library

August 2021 - May 2024

*iDesk Associate*

*Melbourne, FL*

- Worked in a fast-paced environment, providing services and assistance to patrons, including tech lending, printing support, and navigation help.
- Assisted in referring patrons to applicable librarians, and where to find resources in library databases.

### Weekley Schulte Valdes LLC

May 2021 - August 2021

*File Clerk*

*Tampa, FL*

- Managed internal databases, and placement of files, and invoices.
- Worked with Microsoft 365 products such as, word, PowerPoint, excel, and SharePoint.

## PROJECTS

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### Vehicle Identification

August 2023 - April 2024

*Contributor*

- Aided in model creation, and training of convulational neural networks utilizing MiniVGG Net architecture to identify vehicle attributes.
- Developed web application to display database to users visually allowing for interactive CRUD operations, and queries checking.
- Developed software documentation, milestone evaluations, and testing plans.

### Mini Shell

September 2024 - Present

*Contributor*

- Developed a custom shell in C, supporting core shell commands, history, environment variable management, and external command execution using POSIX system calls.
- Implemented quality-of-life features like command logging and tab completion with the GNU Readline library.
- Enhanced functionality with advanced I/O operations, including piping and input/output redirection, using file descriptors.

### Recipe Database WebApp

April 2024 - April 2024

*Contributor*

- Aided in the development of a full stack MERN application to allow users to add recipe entries, or search for entries in a Mongo Database.
- Implemented post functionality using Axios in a Node/Express application to allow writing to the DB from a user selected Json, or manual entry.

## SKILLS

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### Languages

Python, Java, C, C++, Julia, Go, ADA, Haskell, x86 Assembly, Rust, Javascript

### Tools/Frameworks/Other

Git, Github, Linux, Machine Learning, TensorFlow, SciKitLearn, mySQL  
Web Applications: MongoDB, Express, React, Node, HTML / CSS  
Software Testing - Black Box / White Box, Unit Testing  
Integration Testing, Requirements Gathering / Analysis, UML