

# Tyler Hostler-Mathis

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## Education

BS in Computer Science / University of Central Florida, Orlando, FL

- GPA — 3.89
- Graduation — May 2023
- Burnett Honors College Scholar
- Competitive Programming Team

## Relevant Coursework

- Processes of Object-Oriented Programming(A), Security in Computing(A), Systems Software(A), Computer Science II(A), Data Structures(A), Object Oriented Programming(A), Computational Logic and Organization(A), Discrete Math(A), Intro to Programming in C(A), Calculus II(B+)

## Scholarships

[Provost Award](#) (\$30,000)

[Bailey Family Foundation](#) (\$20,000)

[Florida Academic Scholars \(Bright Futures\)](#) (Full-Tuition)

## Awards

Cum Laude Society

Dean's List (All semesters)

Xerox Award (U of Rochester)

## Experience

SWE Data Experiences Intern / Facebook / May 2021 — August 2021

- Created and deployed a brand-new data processing feature to a tool with more than 20,000 monthly active users.
- Completed all main tasks before deadlines, and pushed forwards with several successful stretch goals
- Contributed more than 8,000 lines of code to a complex repository.

Project Manager and Mobile Dev / Groov / March 2021 — May 2021

- Managed a team of seven developers as we created Groov, a music creation social media platform.
- Developed a full-stack application built on a FERN stack, with completely custom database systems with capacity to manage hundreds of thousands of user-created music files.
- Polished skills with React and React-Native (Expo).

Node.js Dev / IRC chat at Twitch.tv / Jan 2020 — Jan 2021

- Developed and maintained Node.js suite that authenticates, monitors, and communicates with a live IRC chat, providing moderation and statistics on usage for all users.
- Serialized all runtime data in JSON files, creating safety nets in case of failure.
- Modularized functionality into npm packages that are updated and stored both in npm's package manager and in GitHub for ease of cloning.

Lead Programming Teacher / Code Ninjas, Tampa, FL / Jun 2018 — Jun 2019

- Utilized multiple programming languages to teach children ages 8-14 basic, intermediate, and advanced programming skills.
- Developed skills as a teacher and communicator through hundreds of self-instructed classes.

Software Development Intern / AFFOA Advanced Functional Fabrics of America, Cambridge, MA / Aug 2018 — Sep 2018

- Worked in an Agile Scrum environment to develop pattern detection and interpretation software for AR applications.
- Utilized Swift and SceneKit to render AR data based off recognized patterns.

VR Tech Lead / Tampa Prep, Tampa, FL / Aug 2015 — May 2019

- Developed multiple [VR applications](#) designed to aid in teaching stereochemistry concepts to students taking chemistry courses. Said applications were a major steppingstone into convincing board of trustees to build brand new VR studio on campus.

## Skills

Languages:

C, C++, C#, Java, Python, JavaScript, SQL, HTML, CSS, Swift, IRC Protocol

Implementations:

React, Git, Unity3D, Blender, Node.js, npm, Processing, Competitive Programming, IRC Bots