

Dylan Tarlowe

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EDUCATION & HONORS

University of Florida – Wertheim College of Engineering

Gainesville, FL

Computer Science Major, Entrepreneurship Minor

August 2019 – May 2023

- **GPA:** 3.91
- **COURSEWORK:** Data Structures and Algorithms, Machine Learning, Math for Intelligent Systems, Operating Systems, Computer Networks, Deep Learning for Computer Graphics, Mobile App Development

WORK EXPERIENCE

Amazon.com

Seattle, WA

Software Development Engineer Intern

May 2022 – August 2022

- Developed a web portal in JSP that allows thousands of service owners of Alexa to edit, add, and delete CloudWatch metrics that track the availability of their Alexa services
- Automated the management of metrics, which saved over 200 engineering hours per year
- Acquired critical knowledge of AWS in DynamoDB, Lambda, CloudWatch, VPC, RDS, API Gateway

Perch <https://www.parkwithperch.com> (Next.js, Supabase)

Gainesville, FL

Cofounder, Full Stack Engineer

January 2022 – April 2023

- Founded startup that empowers homeowners to monetize their driveways for event parking by creating a reservation platform resulting in 5000+ dollars revenue through six football games.
- Team of two designed and implemented a website that allows drivers to find parking at registered hosts and pay using the Google Maps API, Stripe, and PayPal.
- Constructed the PostgreSQL database to manage the information of our 50+ weekly active users

Mitsubishi HC Capital America Inc.

Norwalk, CT

Information Technology Intern

May 2021 – August 2021

- Developed and implemented algorithms to automate the validation of data in support of the company's migration to a new software platform
- Completed QA testing and documentation of Power BI and SQL reports for the Business Intelligence Group within the IT department

Hatch <https://hatchmatch.app> (React, Firebase)

Gainesville, FL

Cofounder, Frontend Developer

June 2021 – January 2022

- Founded a new software company that enables college entrepreneurs to find one another, connect, and convert new ideas into startups
- Led team of students in the development of the core web application that incorporates real time chat and live feed functionality. Coordinated sprints, weekly scrum meetings, and task board to manage workflow.

SKILLS/CERTIFICATIONS

- React.js, AWS, React Native, JavaScript, Python, C++, Java, SQL, MongoDB, Firebase, Flask, CSS, HTML

PROJECTS

GuppyAI <https://devpost.com/software/guppyai> (Next.js, Google Cloud Functions)

October 2022

- 2nd place overall winner of UF AI Days with 234 participants.
- Built an AI search engine/chatbot that crafts its responses to user's level of education in over 10 languages
- Utilized GPT-3 from OpenAI, Google's NLP and semantic analysis, and multitude of research APIs to provide key educational resources such as summarization, key terms, news and research articles, and YouTube videos

ResQ <https://devpost.com/software/resq-3tng2a> (React Native, Firebase, Google Maps + Cloud APIs)

February 2022

- 1st place overall winner of Swampacks 2022, University of Florida's Hackathon with over 80 teams competing
- Developed a virtual safety assistant referencing nearby safety features (AEDs, SNAPs, Blue Phones, etc.) and alerting authorities/selected contacts in the case of an emergency while walking home alone on college campuses

Cycle GAN Image Converter (Python)

February 2021

- Constructed a variation of the Cycle GAN artificial intelligence model that converts a picture from an input class to an output class. e.g., day to night and horse to zebra