

Miami, FL
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Timothy Shaw

WORK EXPERIENCE

TradeStation Technologies

Plantation, FL

Software Development Engineer Intern – CRM Team

June 2023 – November 2023

- Facilitated duplicate remediation during data pipeline transfer to **Salesforce CRM** from **Microsoft Dynamics** by using **JavaScript** and **SQL** to create rules that identify and flag duplicated contacts.
- Developed and deployed an automated **UI testing** suite using **Selenium WebDriver**, creating 24 tests for Dynamics CRM, and integrated the tests into the Azure release pipeline.
- Automated the **integration testing** of creating and modifying contacts, and validation of synchronization between Salesforce and Dynamics, by leveraging JavaScript in **Postman** which achieved an 80% reduction in testing time, and replaced a manual process.
- Conducted **unit testing** on internal tools using **Apex** on **Salesforce Lightning Web Components**

NeurOn Therapeutics

Miami, FL

Full Stack Developer (Python, TypeScript, JavaScript)

December 2022 – Present

- Designed and implemented a series of **React**-based games to rehab stroke patients and improve areas of cognition.
- Spearheaded full-stack development in a previous app iteration, employing **HMTL Canvas**, **Konva.js**, **AWS EC2**, **Flask**, **AWS Lambda**, and **Twilio** for robust game delivery and patient engagement. Leveraged **AWS Dynamo DB** for data storage and used **Pandas**, **Numpy**, and **Matplotlib** for data analysis.
- Successfully led the completion of 5 diverse projects, including cued Stroop test, impulse control game, pattern recognition game, memory recall game, and internal data analysis dashboard.

MyMun

Remote

Frontend Developer (TypeScript, HTML, Python)

April 2023 – September 2023

- Designed and developed a web page with **Angular**, **TypeScript** and **HTML** for ranking Model United Nations conferences based on user feedback after attending.
- Utilized **Python** and **Flask** to automate the generation of placards and nametags based on attendees registered, saving conference organizers ~6 hours of time.

PERSONAL DEVELOPMENT

BResume.io

January 2023

Python, React.js, (Flask, AWS)

SwampHacks IX Hack-a-Thon

- Used **OpenAI's GPT API** to create a webapp that reads a job description and identifies keywords that would be flagged by an ATS system, and then automatically integrates them into an embedded Google Doc with the user's resume.

Dry Tires

November 2022

React Native, Python

- Utilized **React Native** toolkit and **ESRI's ArcGIS API** to create an iOS and Android navigation app that imports flood GIS data to guide drivers around roads that have likely flooded following a storm.

EDUCATION

University of Miami

Miami, FL

Bachelor of Science in Computer Science

GPA: 3.9/4.0

Bachelor of Arts in International Studies

Graduating May 2025

- **Relevant Coursework:** Java Programming I | Java Programming II | Intro. to Python | Data Structures and Algorithms | Computer Architecture | Statistics and Probability
- **Minors:** Math | Political Science | Geography & Sustainable Development
- **Organizations:** Google Developer Student Club | Miami Model United Nations | UM Debate

SKILLS

Languages: Java | TypeScript | JavaScript | Python | HTML & CSS

Frameworks & Tools: React.js | Angular | Next.js | React Native | Flask | AWS | Azure | Google Cloud