

Jack Tobin

🎓 Education

BS Mathematics, Montclair State University, Montclair, NJ

September 2016 — May 2020

Minor in Computer Science and Physics

💼 Employment History

Software Engineer - Intern at ClipperData LLC, New York, NY

May 2019 — Present

- Worked directly under the CFO to design and develop a **back-end** solution using **Express with Node.js** to streamline a new invoicing and fulfillment system which integrated Salesforce, Quickbooks, and the company's internal **PostgreSQL** database
- Extended **back-end** capabilities by implementing **Rest/HTTP API** Gateway access to **Python** with the help of **AWS Lambda** functions. Secured using internally built **OAuth 2.0** protocol
- Used Salesforce Developer tools and **Javascript** to design and implement a custom product selection UI following a new release of products

Software Engineer Research Assistant at Montclair State University, Montclair, NJ

January 2019 — May 2019

- Collaborated with a graduate student to train several **classification algorithms** to segment 3D fetal ultrasound images including Random Forest, Neural Networks and K-Nearest
- Achieved average test accuracy of **93.98%** across all algorithms with a dataset of less than 5,000 images

🏠 Projects

Project Granite (available on Github)

December 2019 — March 2020

- Built a full stack application that connects AWS's Rekognition API and Google Translate's API to identify and translate all objects in an uploaded image
- Front-end created with **React/Redux/Material-UI**
- **Back-end** built with **Node.js, express.js, passport.js**

HackWITUs - Hackathon, Boston, MA

March 2019

- Worked on a team of fellow student engineers to develop a full stack web application with **create-react-app** that allows users to apply to multiple jobs at the same time
- **Back end** written in **Golang** which uses Selenium WebDriver to automate the application process for 50+ different job board websites

Details

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Links

linkedin.com/in/jack-tobin

github.com/jtobin321

Skills

React/Redux

Node.js/Express.js

Java

HTML/CSS/Javascript

Python

SQL/PostgreSQL/MySQL

Linux/Bash

C++

Git/Github

JIRA/Confluence

Salesforce/Visualforce/APEX

Quickbooks/Intuit Developer

Data Structures/Algorithms