

Dylan P. TerMolen

dylan.p.termolen@vanderbilt.edu | 312-401-4078 | Evanston, IL | dylan-termolen.github.io/portfolio

EDUCATION

Vanderbilt University | *School of Engineering*

Nashville, TN | Aug 2017 – May 2021

- B. Eng. in Computer Engineering | Minor in Engineering Management
 - Major GPA: 3.59 | GPA: 3.31 | ACT: 35 / 36 | SAT Math II: 800 / 800
 - Dean's List all of Junior & Senior Year | Certified Associate in Project Management
-

TECHNICAL SKILLS

- **Programming Languages** Python, C++, SQL, TypeScript, Java
 - **Libraries/Frameworks** React, Django, Express, Pandas, NumPy
 - **Technologies** Git/GitHub, Docker, Terraform, Simulink, Jira, Jupyter Notebook
-

WORK EXPERIENCE

The @ Company | *Software Engineer Intern*

San Jose, CA | June 2020 – Nov 2020

- Developed a cloud-native microservice using TypeScript to handle the sign-up process for new users on the @ Company platform.
- Promoted our application by presenting to company executives and building slide decks to showcase the intended functionality of the microservice and its benefits.
- Used Terraform to automate the creation of cloud infrastructure for new users and brought existing company infrastructure under Terraform management.

Ameresco Inc. | *Data Engineer Intern*

Chicago, IL | May 2019 – Aug 2019

- Created a script with Python to collect missing system data and automate the data pulling process going forward using the Selenium WebDriver along with ETree Libraries to parse XML.
- Provided reports on system data to 3 engineering teams on request using SQL and Python with Pandas and Matplotlib libraries.
- Developed and implemented a web application to automate data visualization process for company using Django, React, and AWS EC2. The web application expedited the data analysis process for 3 engineering teams.

The Barn Steakhouse | *Food Runner/Server*

Evanston, IL | May 2017 – Aug 2018

- Delivered food from kitchen to table, organized food as it was cooked, and ensured the quality of the food was up to restaurant standard for up to 200 guests and 500 dishes a night.
-

LEADERSHIP

DataBrains | *President*

Jan 2019 – Dec 2020

- Head of an undergraduate club that gives students an outlet to explore their passions in Artificial Intelligence and Data Science.
- Engage with faculty, companies, and students to organize AI related meetings.

Change++ | *Technical Lead*

Oct 2019 – May 2020

- Worked in a 4-person team in a yearlong project to streamline the Nashville Oasis Center's data analysis process.
- Transitioned a locally hosted, legacy FileMaker Pro Database to a MongoDB database hosted in the cloud.

Tikkun Olam Makers | *Maker*

Oct 2019 – May 2020

- Paired with 16-year-old Zion to develop open-source, assistive technology to improve his everyday life.
 - Engineered a custom video game controller to interface with a PS4 with a customizable button layout and an accessible design.
-

PROJECTS

Twitter FC

Nov 2019

- Created an automated Twitter bot to post daily soccer standings from leagues across the world using Python with Tweepy and Requests libraries to communicate with the Twitter API and a Soccer data API.

Crest GAN

Aug 2019

- Trained a General Adversarial Network in Python with the TensorFlow machine learning framework to create new images of soccer team crests based upon a dataset of soccer team crests scraped from the web.