Dylan P. TerMolen

dylan.p.termolen@vanderbilt.edu | 312-401-4078 | Washington, D.C.

EDUCATION

Vanderbilt University | *School of Engineering*   *Nashville, TN | Aug 2017 – May 2021*
B. Eng. in Computer Engineering | Minor in Engineering Management
GPA: 3.31 / Major GPA: 3.59 | Dean's List all of Junior and Senior year

---

WORK EXPERIENCE

Booz Allen Hamilton | *Software Developer*   *McLean, VA | September 2021 – Present*
- Develop frontend and backend components using ReactJS, JavaScript, HTML, CSS, Ruby on Rails, Postgres, and Docker for an appeals management system for the Department of Veterans Affairs.
- Created REST API endpoints with Ruby on Rails to expose application functionality to other internal VA applications.
- Developed unit tests with RSpec and Jest to validate the functionality of backend and frontend components.

The @ Company | *Software Engineer Intern*   *San Jose, CA | June 2020 – Nov 2020*
- Developed a cloud-native microservice using TypeScript, Express, and Docker to handle the sign-up process for new users on the @ Company platform.
- Automated the provisioning of Digital Ocean and Amazon Web Services cloud infrastructure for the company with Terraform and brought existing company infrastructure under Terraform management.

Ameresco Inc. | *Data Engineer Intern*   *Chicago, IL | May 2019 – Aug 2019*
- Architected and implemented a web application to automate the data analysis process for IoT devices using Python, Django, ReactJS, and AWS EC2. The web application expedited the data analysis process for 3 engineering teams across the company.
- Created a cron job to automate the data pulling process for IoT devices using Python and the Selenium WebDriver.
- Provided reports on the building energy consumption of a university to 3 engineering teams on request using MySQL and Python with Pandas and Matplotlib libraries for data analysis and visualization.

The Barn Steakhouse | *Food Runner/Server*   *Evanston, IL | May 2017 – Aug 2018*
- Interacted with guests, 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 EXPERIENCE

Change++ | *Tech Lead*   *Nashville, TN | 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 cutting monthly database costs by 75%.

Tikkun Olam Makers | *Maker*   *Nashville, TN | Oct 2019 – May 2020*
- Paired with a 16-year-old "Need-Knower" to develop open-source, assistive technology to improve his everyday life.
- Designed and engineered a custom video game controller to interface with a PS4 and Xbox One with a customizable button layout and a more accessible design to suit our Need-Knower's specific use cases.

SKILLS, CERTIFICATIONS, & INTERESTS

- **Certifications**   Certified Associate in Project Management, CompTIA Security+
- **Programming Languages**   Python, JavaScript, SQL, Java, CSS, HTML
- **Libraries / Frameworks**   ReactJS, Ruby on Rails, Express, Pandas
- **Tools/Technologies**   AWS, Git, Docker, Linux, Terraform