

# Aditya Vadlamani

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## Education

### The Ohio State University

Columbus, OH

Double Major: B.S. in Computer Science & Engineering and Mathematics

Expected: May 2022

- **Cumulative GPA:** 3.818/4.0
- **Recognitions:** Honors Engineering and Math student, Maximus Merit Scholarship recipient, Dean's List (every semester)
- **Completed coursework in:**
  - Software Development & Design, Data Structures & Algorithms, Computer Networking, Databases, AI
  - Linear Algebra & Differential Equations, Combinatorics, Real and Complex Analysis, Algebra (all proof-based)
- **Extracurriculars:** AI Club, Radical Pi Math Club, Reading Classics Undergraduate Seminar

## Industry Experience

### CAS

Columbus, OH

Technology Intern – Customer Identity and Access Management

May 2019 – August 2019

- Developed a full-stack account recovery web application to enhance customer experience by updating 8 different scientific research products to follow a singular account recovery process and reducing customer support call times by up to 15 minutes.
  - Implemented the backend as a REST API with Java and Ping Identity APIs and the frontend with AngularJS.
- Utilized industry-standard tools including Jenkins for continuous integration and delivery, GitLab for source control, and Docker for containerization.
- Followed Agile (Scrum) practices including daily stand-ups, creating user stories and updating a Jira board to organize sprints.
- Spearheaded a company-wide transition to test-driven development. Wrote unit tests, acceptance tests, and integration tests for both the front and back-end of the application using JUnit and Mockito, Jasmine, and Cucumber.

### Procter and Gamble

Cincinnati, OH

Information Technology Summer Hire

June 2018 – August 2018

- Assisted employees and contractors with the Box to Office 365 migration which affected over 90,000 employees. Helped over 130 people through lecture-like sessions, 1-on-1 support calls, and drop-in help sessions at six sites in the Cincinnati area.
- Designed and coded an HR General Request form with ServiceNow which streamlines communication between employees placing HR requests and their fulfillers.
- Contracted by INTERalliance to be a part of Global Business Services.

## Additional Experience

### The Ohio State University

Columbus, OH

Undergraduate Teaching Assistant – Fundamentals of Engineering Honors

August 2019 – Present

- Helped facilitate students' learning of different problem-solving techniques and tools including C/C++, MATLAB, Excel.
- Collaborated with other TAs to help maintain legacy software and develop new software for the program.
- Graded students' assignments consistently while providing thorough feedback.

## Some Projects (more projects are listed on GitHub)

### Robot Design Project | [GitHub](#)

- Designed, built, coded, and heavily documented an autonomous robot with a diverse team of engineering students for 2 months. The robot navigated a course and completed a set of tasks which included dropping a token into a slot, dragging a foosball counter, flipping a crane lever, and pushing a specific button based on the color of a light.
- Placed top 16 out of 66 teams and received [2nd place](#) for *Outstanding Achievement in Innovation* in the final robot competition.

### The Legend of Zelda: Dungeon 1

- Worked with a small team of developers, over the course of a semester, to recreate the first dungeon of the original *The Legend of Zelda* game using Visual C# and the Monogame Game Engine, while following Agile practices.

### prob-distrs | [GitHub](#), [PyPi](#)

- A Python package using NumPy and Matplotlib to compute and plot probabilities and densities of numerical data following one of six different probability distributions. The package is available on PyPi, an online Python repository, for other developers to install.

## Skills

**Technical:** Java, Python, C/C++, C#, MATLAB, Git, Agile (Scrum), SQL (SQLite), AngularJS

**Foreign Languages:** Telugu (can speak with bilingual proficiency)