

David Tang

tang627@purdue.edu

[linkedin.com/in/david-tang-882063214/](https://www.linkedin.com/in/david-tang-882063214/) | 614-363-0555 | github.com/dtang123

EDUCATION

Bachelor of Science in Computer Science

Purdue University - West Lafayette, IN

Expected Graduation - May 2026

GPA: 3.97

- Relevant Coursework: Object Oriented Programming, Git, Java, C++, Multivariate Calculus, Linear Algebra, Probability, Discrete Math, C
- Currently Enrolled in: Data Structures and Algorithms, Computer Architecture
- Honors/Awards: 2x Dean's List, 2x Semester Honors

LANGUAGES AND TECHNOLOGIES

Languages: Python, Java, JavaScript, HTML, CSS, C, Dart

Technologies: React, Flask, Bootstrap, Git, SQLAlchemy, APIs

EXPERIENCE AND PROJECTS

Personal Site: Link: <https://dtang123.github.io>

- Developed a multi-page personal site with React, Redux toolkit, and React-Bootstrap
- Called EmailJS API to allow website to send emails
- Implemented a Redux toolkit slice reducer to sort and display personal projects by language and technologies

Java Marketplace: Link: https://github.com/dtang123/CS180project_5

- Collaborated with 4 other students through git to construct a Java Swing GUI marketplace app
- Arranged meeting times, made design choices, and coordinated tasks and deadlines for group members.
- Employed sockets, threading, and synchronization to allow multiple clients to interact with it concurrently. Implemented object oriented programming principles to model the marketplace.

Deep Learning Library:

- Implemented a basic deep learning library in Python
- Includes loss functions like mean squared error, mean absolute error, and binary cross entropy
- Incorporated a few different types of layers like dense layers, activation layers, and convolutional layers

Udemy Projects

E-commerce site: Link: <https://charming-dolphin-cc1e3f.netlify.app/>

- Created an e-commerce site using React, React-Redux, Stripe, and Firebase. Deployed website to Netlify.
- Leveraged Firebase authentication to allow user to sign in with email as well as through Google sign in

Blog site: Link: <https://github.com/dtang123/Flask-Blog>

- Coded a blog site with user accounts with the Flask framework
- Integrated SQL Alchemy to store blog user account information and posts into an SQL database

Cafe API: Link: <https://github.com/dtang123/Cafe-API>

- Built basic Flask REST API and web interface to POST and GET cafe information such as if the cafe has wifi, restrooms, etc
- Utilized SQL Alchemy to help store, retrieve, and modify cafe information
- Created API documentation on Postman to allow easy user interaction

EXTRACURRICULARS

Robomasters Robotics Club

- Collaborated with others in building a working battle robot with a turret
- Labeled and augmented 1700 images of a robot's armor plate
- Trained object detection model to 97% precision