David Tang

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EDUCATION

Bachelor of Science in Computer Science   Purdue University - West Lafayette, IN
Expected Graduation - May 2026   GPA: 4.0
- Relevant Coursework: Object Oriented Programming, Git, Java, C++, Multivariate Calculus, Linear Algebra, Probability
- Currently Enrolled in: Discrete Math, C
- Honors/Awards: Dean's List, Semester Honors

LANGUAGES AND TECHNOLOGIES

Languages:
- Python
- Java
- JavaScript
- HTML
- CSS
- C++
- SQL

Technologies:
- React
- Flask
- Bootstrap
- Git
- SQL Alchemy
- 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 and coordinated tasks for group members
- Employed sockets, threading, and synchronization to allow multiple clients to interact with the application concurrently. Implemented object oriented programming principles to model the marketplace.

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