

# Vincent Dang

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## EDUCATION

### The University of Texas at Arlington

December 2026

*Bachelor of Science in Computer Science | GPA: 3.67*

*Arlington, TX*

- **Relevant Coursework:** Algorithms & Data Structures, Object-Oriented Programming, Discrete Structures, Computer Organization & Assembly
- **Involvement:** Association for Computing Machinery (**ACM**), Society of Asian Scientists and Engineers (**SASE**), Students in Computing and Artificial Intelligence (**SCAI**)

## TECHNICAL SKILLS

- **Languages:** C/C++, Python, Java, JavaScript, SQL, HTML/CSS
- **Technologies:** Linux/Unix, Git, Github, MySQL, Flask, React
- **Concepts:** Software Engineering, Frontend, Backend, Databases, Web Frameworks, Machine Learning

## EXPERIENCE

### Vision Palace PC

June 2024 - Present

*Full Stack Developer (Undergraduate)*

*Arlington, TX (Remote)*

- Developed and designed a full professional website for a local optometry practice business, accruing over **5,000** unique users.
- Created a custom contact form with live input validation and secure form submission with **JavaScript** integrating **Web3Forms Email Service API**.
- Building a comprehensive eyewear product catalog using **MySQL/SQL** to manage and display product details.

## PROJECTS

### Bau Cua Game | *Flask, Python, JavaScript, HTML, CSS*

- Developed a full stack interactive web application that simulates a traditional gambling game, incorporating a frontend user interface with backend game logic using **Python/Flask**.
- Utilized both client-side (**JavaScript**) and server-side (**Python**) functions to calculate and display game scores and results.

### Alarm System | *C, Breadboard, Raspberry Pi*

- Constructed an electronic **breadboard circuit** and implemented **C programming** on a **Raspberry Pi** to create an effective alarm system.
- Incorporated software and hardware together by integrating various electronic components, including LEDs, a buzzer, and a PIR motion sensor to achieve desired functionality.
- Demonstrated an ability to translate conceptual design into tangible, practical solutions with real-world application.

### WorkLogger | *C*

- Developed a console-based productivity tool program in **C** to log and calculate hours worked on extracurricular programming practice and projects.
- Implemented file handling (**I/O**) to categorize work hours by date and by project, and to retrieve and display total project work hours.

### Weather App | *Flask, Python, HTML, CSS*

- Developed a web application using **Python/Flask** integrating **OpenWeatherMap API** to return current weather conditions in any location.
- Designed a unique, responsive user interface to neatly display weather information across various devices and browsers.