

# Tina Mei

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## EDUCATION

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### University of Florida - Gainesville, FL

*B.S. in Computer Science, Minor in Digital Arts and Science*

May 2027

3.61

## RELEVANT COURSEWORK AND SKILLS

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**Coursework:** Operating Systems, Intro to Software Engineering, Data Structures and Algorithms, Engineering Statistics, Computer Organization, Computational Linear Algebra, Microcomputer Applications

**Technical Skills:** C++, Python, Java, JavaScript, Flask, TypeScript, C#, HTML, CSS, MATLAB, Arduino, Oracle VM VirtualBox

**Software Applications:** Power BI, Power Automate, Excel, Photoshop (Certified), Illustrator (Certified), InDesign, After Effects, Premier Pro

## EXPERIENCE

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### Data Analytics Intern | *The Harn Museum of Art*

August 2024 – Present

- Develop cross-departmental Power BI dashboards that track museum data
- Automated user data integration from Microsoft Forms into Power BI using Excel Scripts and Power Automate, reducing manual data handling for staff
- Enhanced data visualization using Power BI and Excel integration features, providing museum stakeholders with insights into visitor trends

## PROJECTS

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### Fast Food Deconstructor - team project | *Python, CSS, HTML, JavaScript, Pandas, Flask, Git*

April 2024

- Implemented a Hash Table data structure to sort 26k+ menu items by restaurant and category
- Built an auto-fill and drop-down menu search interface that connects the front-end to back-end, significantly improving user search efficiency
- Applied animations and graphics to front-end for a more appealing user interface

### Minesweeper | *C++, SFML, Git*

December 2023

- Employed object-oriented programming to create a modular and maintainable code base
- Integrated the SFML library to achieve smooth graphic rendering and responsive user interactions

### Personal Website | *CSS, HTML, JavaScript, Git*

June 2024

- Developed a personal website showcasing software projects, digital art, and graphics, integrating multimedia content seamlessly
- Implemented a fun, interactive feature that reveals a random cat on click, increasing engagement
- Designed the wireframe using Figma to plan a seamless and visually pleasing design

### Arduino Robot Car | *Arduino*

July 2022 - December 2022

- Programmed autonomous navigation algorithms using ultrasonic sensors for obstacle detection and avoidance
- Designed and assembled the chassis and electronics, integrating control algorithms for optimal robot movement

## INVOLVEMENT

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### Society of Asian Scientists and Engineers — Intern and Engineering Team

August 2023 - Present

- Collaborate with team members to plan and execute social and mentor-mentee events with attendance of 60-100 members
- Developed a robot designed to minimize litter on campus as a part of SASE Engineering Team
- Created functions for seamless communication between Python and Arduino to control stepper and servo motors

### Sparks Magazine — Designer

September 2023 - Present

- Create a magazine spread to showcase Asian voices each semester
- Work closely with photographer, writer, and editor to create a cohesive vision for the spread

### Korea Undergraduate Student Association — Historian

May 2024 - Present

- Utilizing Photoshop and Illustrator to create eye catching graphics and logos for Instagram posts and merchandise