

Rachel Pu

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EDUCATION

University of Florida

Gainesville, FL

Bachelor's of Science in Computer Science, GPA: 3.78

August 2022 - May 2026

Relevant Coursework: Software Engineering, Data Structures & Algorithms, C++ Fundamentals, Computer Organization, Computational Linear Algebra, Operating Systems

TECHNICAL SKILLS

Certificates: *Currently pursuing UF AI Certificate in AI Fundamentals and Applications*

Skills: Java, Python, Flask, C++, HTML/CSS, Javascript, React.js, React Native, MongoDB, GDScript, Microsoft Access, Microsoft PowerApps, Microsoft Excel

Developer Tools: Github, VSCode, PyCharm, CLion, Google Cloud Platform, Godot

EXPERIENCE

Software Engineering Undergraduate Researcher

Aug. 2024 – Present

Univeristy of Florida CISE

Gainesville, FL

- Leading the redesign & expansion of WiNG.it to implement more personalized user experience through AI APIs

UF FINS Talent Program - AI Researcher

Mar. 2024 – Present

Florida Institute for National Security (FINS)

Gainesville, FL

- Conducting a literature review on existing explainable AI (XAI) methods to identify gaps and opportunities.
- Developing a tabular framework for reporting and communicating "explainability needs" in XAI.

UPS Engineering Intern

Jun. 2024 – Aug. 2024

United Parcel Service

Singapore, SG

- Developed a postal code segmentation application, reducing processing time by over 95% for 400,000+ records.
- Engineered a user-friendly GUI using direct feedback and in-person testing, boosting efficiency and customization.
- Formalized documentation to streamline application usage, enhance insights, and ensure adjustability as needed.

PROJECTS

WiNG.it | *Python, Flask, HTML, CSS, JavaScript*

Apr. 2024

- Winner of First Flight Award, an award given to the best project created by first-time hackers
- Developed a web app in 36 hours with a team, integrating gamification and realistic simulations for interview prep
- Transitioned project into research, optimizing features for potential deployment with more personalization

Pig E-Bank | *React, Javascript, MongoDB, Java*

Jan. 2024 – May. 2024

- Co-developed a web-based finance management application featuring a reward system that emphasizes saving goals with virtual accessories for milestone achievements.

Spottingfy | *C++, QT, cURL, JSON for Modern C++, Spotify Web API*

December 2023

- Co-developed a C++ app that uses Spotify's API to recommend music, implementing efficient data parsing, and personalized algorithms

LEADERSHIP/EXTRACURRICULAR

Co-Director of Events, CS Kickstart at UF

Jan. 2024 – Present

University of Florida

Gainesville, FL

- Co-directed the planning and execution of social events to welcome freshmen into the UF CS community.
- Collaborated with other professional organizations to boost engagement within the CS community.

Public Relations Chair, JiaTing Lion and Dragon Troupe LLC.

Mar. 2023 – Feb. 2024

University of Florida

Gainesville, FL

- Directed and organized a large-scale dance piece for a multicultural-based event with 300+ student participation
- Increased social media engagement by 200% through content creation, aligning with target audience trends