

# Vivian Zhao

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## EDUCATION

### Rutgers University - New Brunswick

New Brunswick, NJ

Bachelor of Arts, Double Major in Computer Science and Data Science | GPA: 3.85 / 4.0

Sep 2022 - May 2026

- **Relevant Coursework:** Data Structures, Computer Architecture, Principles of Programming Languages, Design and Analysis of Computer Algorithms, Data Literacy, Principles of Information & Data Management, Data Management for Data Science, Discrete Structures, Information Technology and Informatics
- **Awards/Honors:** School of Arts and Sciences (SAS) Honors Program, Dean's List

## WORK EXPERIENCE

### Rutgers Office of Information Technology

New Brunswick, NJ

IT Consultant

Apr 2023 - Present

- Help create a technologically efficient environment for 40,000+ patrons through in-person and online consultation
- Utilize over 5 forms of university software to assist Rutgers students through network, program, and virus troubleshooting
- Spend 9+ hours a week monitoring and overseeing the university computer labs and printing services

### Synchrotron Radiation for Biomedicine (STROBE) Laboratory

Grenoble, France

Computer Programming Intern

May 2024 - July 2024

- Developed an AI-based software to quantify lung tissue lesions from histological images, enhancing pathological assessments
- Validated AI model accuracy through blind tests, distinguishing between control and experimental groups
- Implemented data analysis in Excel and statistical correlations in R to assess various indices of tissue inflammation

## LEADERSHIP EXPERIENCE

### Rutgers Club Tennis

New Brunswick, NJ

Secretary

Aug 2024 - Present

- Manage club communications, including member outreach, social media strategy, and email correspondence
- Maintain records of member attendance and streamline logistics for practices, coordinating transportation for the team

### Rutgers Women in Computer Science

New Brunswick, NJ

High School Ambassador

Mar 2023

- Offered personalized mentoring to aspiring female high school students pursuing a Computer Science major
- Shared key insights into the Rutgers CS program and its culture, providing guided tours of major-related campus buildings

## PROJECTS

### Pluralsight Training Project

Jun 2023 - Jul 2023

Tools: HTML, CSS, JavaScript, Bootstrap, jQuery

- Developed an interactive website emulating "Bethany's Pie Shop," providing a virtual experience of a fictional pie business

### Rutgers Creative Expressions Publication: UI/UX Case Study "Hummer"

Feb 2023 - Apr 2023

Tools: Figma, Google Apps

- Worked with 5 team members to conceptualize and prototype a mobile social app for music rating and reviewing
- Created wireframes, mockups, and high-fidelity prototypes, focusing on UX research and visual design
- Focused on creating the settings, app connections page, navigation bar, and polishing the high fidelity wireframe of 43 frames

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, SQL, C, JavaScript, HTML, CSS, OCaml, R, MATLAB

**Tools:** VS Code, Git, Eclipse, Jupyter Notebook, MySQL Workbench, Bootstrap, jQuery, RStudio, ServiceNow, ImageJ, Figma, Blender, LaTeX, Adobe Creative Suite, Google Suite, MS Office