

# Brandon de Baroncelli

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## EDUCATION

### Louisiana State University, Baton Rouge, LA

**August 2021 - May 2025**

- LSU Honors College, B.S., Computer Science; Minor, Mathematics
  - Concentration: Cloud Computing and Networking
- GPA 3.80
- *Relevant Coursework:* Cloud Computing and Virtualization, AI and Large Language Model Development, Networking, Operating Systems, Data Structures, Object Oriented Programming, Interface Design

## WORK EXPERIENCE

### Louisiana State University – Baton Rouge, LA

#### University College Information Technology Assistant

**January 2023 - May 2025**

- Create scripts to automate monotonous tasks working on the university's mainframe
- Analyze and update Excel spreadsheets leveraging custom-built automation tools to streamline data management
- Install, configure, and maintain hardware and software across five University College departments, ensuring smooth operations
- Assist students by answering common questions, scheduling appointments, and redirecting students
- Nominated for Student Employee of the Year for unique approaches to handle long standing issues

## PROJECTS

### Web App Development for Our Lady of the Lake Hospital

**August 2023 – December 2023**

- Developed a user-friendly web application for heart failure patients, enhancing their understanding of their diagnosis and treatment options
- Designed and implemented an intuitive front-end using Flutter to ensure accessibility for diverse user groups
- Created a dynamic, responsive backend with Django, incorporating AI-driven large language models and semantic search APIs to personalize user interactions
- Presented the app to local business leaders and hospital stakeholders, highlighting its potential to improve patient engagement and education

### Toga - A clothing exchange for Greek life

**August 2024 – December 2024**

- Discover requirements through interviewing target users and build user stories
- Deploy a backend utilizing Firebase for image storage and Render for API hosting
- Integrate SQL database queries to support CRUD operations and efficient data retrieval
- Design and prototype the front-end using Figma, iterating with professional UI/UX engineers

### Professor Index – Baton Rouge, LA

#### Web Scraping and Data Cleaning

**March 2024 – January 2025**

- Work alongside a professor and other computer science students gather data for a professor rating mobile app
- Write reusable and modular code for scraping information from multiple university websites and APIs to support the app's expansion
- Clean, process, and analyze large data sets to ensure high-quality, structured information for future use

## TECHNICAL SKILLS

- Languages: Java, C/C++, Python, JavaScript, SQL, Dart
- Software: Microsoft Office, Enterprise Architect, Linux, AWS, Figma
- Frameworks: Django, Flutter, Spring Boot, React, NodeJS
- Skills: Agile Development, Scrum, Requirements Modeling, ER Modeling
- Extracurriculars: Competitive Programming/ICPC, Hackathons, GDSC (Google developer student club)