

# Jack Pamukci

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## EDUCATION

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### University of North Carolina at Charlotte

Charlotte, NC

*Bachelor of Arts in Computer Science, Minor in Data Science (GPA: 3.8)*

*Aug. 2021 – May 2024*

- University Honors Program
- Unisys Corporation Scholarship Recipient
- Enactus Director of Projects

*Courses:* Data Structures & Algorithms, Object Oriented Programming (Java), Mobile App Development, Database Design, Linear Algebra and Matrices, Discrete Mathematics

## EXPERIENCE

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### Full Stack Developer

August 2022 – Present

*NDA (Engineering Project)*

*Charlotte, NC*

- Working on a project for a competitive automotive sports company (confidential so specifics cannot be disclosed).
- Modernizing and optimizing business workflows by constructing a full-stack web app, migrating from original tooling to Flask/React frameworks
- Collaborating in a team of 7 members in a scrum environment

### Undergraduate Research Assistant

May 2022 – August 2022

*UNC Charlotte*

*Charlotte, NC*

- Created Python algorithms for cleaning and visualizing data collected from **500+** student forms for CCI courses using **pandas** and **NumPy** libraries
- Provided analysis for 2 dimensional data regarding student sentiment, grades and subjectivity using **sci-kit learn's K-means clustering** model
- Developed online interface to display visualizations with **Nuxt.js** and **Plotly.js**
- Presented research at 2022 UNC Charlotte Research Symposium, findings will be implemented on campus wide app

### College of Computing & Informatics Teaching Assistant

Jan. 2022 – Present

*UNC Charlotte*

*Charlotte, NC*

- Conducted and graded weekly labs for a section of 85 students in the course **Intro to Computer Science II**
- Learned to better explain technical concepts and give detailed feedback on assignments and projects, with a **94% rating** from students.
- Topics include **Inheritance, Polymorphism, Abstraction, Encapsulation, Exception Handling, I/O, Interfaces, Generics, Linked Data Structures**, etc.

## PROJECTS

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### Urban Thesaurus | *React Native, Expo, Flask, Python, Heroku*

October 2022 – Present

- Created a **native mobile app** version of the popular website Urban Dictionary, but in thesaurus form, where word synonyms are defined using the Urban Dictionary API
- Developed, designed and deployed Android and iOS exports on **Expo Go** using **React Native**. Wrote Flask REST API to fetch synonyms, antonyms and Urban Dictionary terms, deployed on **Heroku**

### Find It Used | *Python, Flask, React, Requests-HTML*

February 2022 – August 2022

- Built **full stack** web extension to aggregate products from a wide range of retailers to find the best price. Targeted towards online shoppers looking to find the best deal for products.
- Migrated **REST API** from Node.js to Python (reduced API call time by **70%**) using **Flask and the Requests-HTML** library to scrape large online marketplaces Amazon, Ebay, and Newegg for essential data
- Implemented **front end** GUI using **React** and designed using **Bulma**. Learned key skills for software engineering.

## TECHNICAL SKILLS

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**Languages:** Python, JavaScript, Java, HTML/CSS, SQL, MongoDB

**Frameworks:** React, Node.js, Express, Flask, JUnit, WordPress, Bootstrap, Nuxt.js

**Developer Tools:** Git, Docker, Heroku, CLI, Anaconda, VS Code, Visual Studio, IntelliJ, Jupyter Notebook

**Libraries:** pandas, NumPy, Matplotlib, Scikit-Learn, NLTK