

Andrew Wang

484-447-6657 | ahw2@andrew.cmu.edu | [linkedin.com/in/andrew-wang04](https://www.linkedin.com/in/andrew-wang04) | github.com/wandrew004

EDUCATION

Carnegie Mellon University

Bachelor of Science in Information Systems, Minor in Software Engineering

Pittsburgh, PA

Expected May 2026

GPA: 3.68 / 4.0

Awards: Dean's List High Honors F22, S23

Relevant Coursework: Fundamentals of Programming and Computer Science, Principles of Imperative Computation (Data Structures and Algorithms), Database Design and Development, Statistical Graphics and Visualization, Methods for Data Science

EXPERIENCE

Head Programming Instructor

June 2023 – September 2023

Uncommon Individual Foundation (Non-Profit)

Philadelphia, PA

- Collaborated closely in the development of a free programming curriculum tailored specifically for underprivileged high-school students in Philadelphia
- Engaged in hands-on instruction, delivering in-person lessons that fostered interactive and dynamic programming sessions utilizing Python
- Designed more than 20 programming assignments, using insights and experience from introductory university courses to enrich the depth and impact of course materials

Data Analyst Intern

June 2022 – August 2022

Provo Group (Real-Estate and Venture Finance Group)

Villanova, PA

- Collaborated on the successful implementation of an advanced investment accounting software by meticulously compiling and systematically classifying historical financial statements
- Developed Excel-based solutions to seamlessly organize extensive datasets, streamlining and enhancing data input procedures for long-term efficiency
- Crafted personalized HTML and CSS email signatures for over 50 team members, contributing to a consistent and professional corporate image

PROJECTS

AI Academic Research Assistance Tool | *React, Flask, Google Cloud, Git*

September 2023

- Developed "Shelve" to enhance accessibility and efficiency in academic research by leveraging AI search technology combined with a personalized dashboard
- Deployed a Flask backend, ensuring fluid integration with React and optimizing interactions with external API endpoints
- Seamlessly integrated third-party APIs (Metaphor and GPT-3.5) to offer real-time terminology explanations, ensuring users have clarity and understanding on complex terms
- Gained comprehensive insights into version control in a team setting through Git, emphasizing the importance of communication and abstraction in file architecture

Meal Selector For University Students | *Flask, Python, HTML, CSS, Javascript, Git*

September 2023

- Designed "Uni-Eats" in order to promote healthier dining options by offering meals within a user-defined calorie range, supporting a mindful eating approach to campus dining
- Implemented web scraping techniques using BeautifulSoup4 to fetch real-time data from university dining hall menus, ensuring up-to-date and accurate food listings
- Developed a search mechanism that generates three tailored dishes, helping students to save time and make informed food choices effortlessly

Sudoku Game and Solver | *Python, CMU-Graphics*

June 2023

- Created a feature-rich Sudoku game using Python and incorporated CMU graphics package for an interactive UI
- Implemented advanced features like dark mode, auto-candidate mode, obvious singles hints, and auto-played singletons
- Designed an efficient Sudoku solver using a backtracking algorithm and Object-Oriented Programming

Room Occupancy Predictor using Machine Learning Classifiers | *R*

February 2023

- Trained four different binary classifiers (Linear Discriminant Analysis, Quadratic Discriminant Analysis, Classification Tree, Binary Logistic Regression) on room occupancy rates
- Delivered a recommendation on the best performing classifier by providing the possible drawbacks of each classifier

TECHNICAL SKILLS

Languages: Python, Java, C/C++, SQL (Postgres), JavaScript, TypeScript, C#, HTML/CSS, R

Frameworks: React, Node.js, Flask

Developer Tools: Git, GitHub, VS Code, Eclipse

Libraries: Pandas, NumPy, Matplotlib, BeautifulSoup4