Benjamin Wang

notbenwang@gmail.com | github.com/notbenwang | notbenwang.github.io

EDUCATION

University of Virginia   Charlottesville, VA
Bachelor of Science in Computer Science   *Expected May 2025*

RELEVANT COURSEWORK

Foundations: Data Structures, Algorithms, Computer Systems, OS/Computer Architecture
Software: Software Development, Software Engineering, HCI in Software Development
Data Analysis: Statistics/Probability, Foundations of Data Analysis, Machine Learning
CS-Related: Cryptocurrency, Theory of Computation

EXPERIENCE

Audio-Visual Technical Assistant   September 2022 – Present
University of Virginia   *Charlottesville, VA*
- Deliver technology/troubleshooting support for audio-visual equipment during campus university events
- Exhibit and exercise a meticulous attention to detail through persistent maintenance and equipment setup
- Strengthen information technology skills and problem-solving capabilities through effective hands-on training
- Cultivate strong interpersonal and conflict resolution skills through consistent client interactions

Student Developer/Scrum Master   September 2023 – December 2023
Puzzle App @UVA   *Charlottesville, VA*
- Collaborated with a team of student developers to create a full-stack Django application allowing creation/playing of geographical-based puzzle hunts
- Developed and tested several core features regarding puzzle creation, gameplay, and moderation management
- Enhanced leadership and communication skills through effective team collaboration as Scrum Master through weekly team meetings and bi-weekly sprint reports

PROJECTS

Wordle Screenshot Parser | *Python, OpenCV, TesseractOCR, NiceGUI*   May 2024 - August 2024
- Designed and implemented a Python-based data analytics tool responsible for automatically extracting/parsing game information from Wordle screenshots
- Integrated a series of smart filters and correction systems to handle several types of edge cases, increasing screenshot detection rate to 96%
- Implemented a NiceGUI frontend interface allowing better visualization of system's logic and behavior
- Incorporated a feature utilizing web scraping libraries allowing comparison with any screenshot's performance to other NYT users of the corresponding day

Portfolio Website | *Javascript, React, TailwindCSS, Next.js*   July 2024
- Developed a single page, modal-like portfolio from scratch using Next.js and React
- Enhanced frontend development proficiency in technologies, overcoming challenges with CSS and animations, and actively incorporated user feedback for design improvements

SKILLS

Languages: Python, Java, JavaScript, C, SQL
Web Development: HTML/CSS, Django, Express.js, Next.js, React, TailwindCSS
Tools and Libraries: NumPy, OpenCV, TesseractOCR, JUnit, FXML, Pygame
Softwares/Platforms: Microsoft Office, Google Office Suite, Adobe Photoshop and Premiere, Godot, Solidity/Remix