ANDY WU

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EDUCATION

CUNY - Brooklyn College   **February 2020 - September 2024**
Bachelor's, Computer Science   *GPA: 3*
- Machine Learning, Advanced Algorithms, Discrete Structures, C++ Programming, Database Fundamentals, Object-Oriented Programming with Java, Data Structures, Operating Systems, Computer Architecture, Information Security

PROJECTS & OUTSIDE EXPERIENCE

Knee MRI Classification
- End of Semester Machine Learning Project that classified Knee MRIs on the severity of the osteoporosis level. This
- included preprocessing data and training multiple CNN architectures like ResNet, VGGNet, and U-Net. Compared the efficiency of each architecture and determined the best result.
- Developed with Python, Matplotllib, TensorFlow, and Keras

Journal Buddy App   *June 2024 - July 2024*
- Developed a secure journal app using Kotlin, Jetpack Compose, and MVVM architecture, incorporating Room for data
- storage, and Firebase Authentication for user login and registration.
- Designed and implemented a responsive UI following Material Design guidelines, featuring light/dark themes, a calendar
- view for date-based navigation, and a bottom navigation bar for seamless feature access.

PROFESSIONAL EXPERIENCE

Hamaspik of Kings County   **Brooklyn, New York, NY, USA**
Community Habitation Worker   *November 2021 - Present*
- Facilitate independence by providing time management support and ensuring punctuality for appointments and activities for the individual
- Promote physical well-being by coordinating in exercise regimens and accompanying the individual to recreational parks and the fitness center to encourage a healthy lifestyle
- Instruct and educate the individual in navigating public transportation systems and essential services.

Google Software Engineering Program (G-SWEP) via ProjectBasta   **Remote**
Participant   *March 2024 - May 2024*
- Selected as one of 80 participants, outperforming 350+ applicants, to participate in 10 weeks of rigorous, technical mentoring sessions with a Google SWE and attend workshops designed to enhance technical problem-solving and interview skills.

CUNY Tech Prep   **Remote**
Data Science Fellow   *June 2023 - December 2023*
- Selected for a competitive data science fellowship with students from across the 11 CUNY senior colleges where Fellows create technical projects using tools such as Python 3, Jupyter Notebooks, Pandas, Numpy, Scikit-learn, and SQL
- Participated in weekly courses and learned industry best practices for exploratory data analysis (EDA), feature engineering, data collection and processing, statistical modeling, data visualization, machine learning techniques, data science processes, and big data.

SKILLS

Skills: Python, Java, Kotlin, HTML/CSS, JavaScript, MySQL, Tensorflow, Linux/Unix, Git, React.js, Node.js, SQL, Next.js