Grace He

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EDUCATION

New York University New York, NY
Bachelor of Science in Computer Science & Applied Psychology *Expected Dec 2026*
- *Relevant Courses:* Data Structures, Computer Systems Organization, Statistics, Algorithms, Software Engineering, Data Management and Analysis
- *Activities and Awards:* Full Scholarship, Google Developers Group @ NYU (President), BUGS@NYU, Tech@NYU

WORK EXPERIENCE

Social Creatures ⚬ New York, NY
Software Engineer Intern *Sep 2025 – Present*
- Processed 3 datasets (60,000+ total data points) with Python for REDCap data migration, reducing manual work by 80%
- Architected a Python pipeline to transform data for ∼9 categories, adding 10,000+ data points for REDCap alignment
- Built Python and Pandas script to cross-check 200+ columns, detected 100+ discrepancies, reducing manual work by 60%

Nike ⚬ Beaverton, OR
Software Engineer Intern *Jun 2025 – Aug 2025*
- Designed and implemented a TypeScript AWS service to automate financial reconciliation for 300K+ daily transactions
- Consolidated 3 legacy codebases into one, achieving ∼90% test coverage (Jest) and reduced monthly cloud costs by 15%
- Implemented an SQS → S3 → BlackLine data pipeline to automate daily CyberSource reporting for account reconciliation

Eulerity ⚬ New York, NY
Software Engineer Intern *Aug 2024 – Mar 2025*
- Developed key front-end features with TypeScript and React, integrating REST APIs for dashboards used by 100+ clients
- Redesigned the subscriptions page UI and refined Meta demographic targeting, improving campaign setup speed by 25%
- Produced a reusable global tag component and contributed to scalable design systems used across 10+ internal features

Constellation ⚬ New York, NY
Growth Engineer Intern *Aug 2022 – Dec 2023*
- Engineered scripts using Python to analyze 20,000+ data points across all projects, expediting team operations by 95%
- Built a Python (pandas, NumPy) budget-quality validation script auditing 200 client budgets across 5,000+ data points
- Developed a Google Ads script (JavaScript) to analyze 1,000+ keywords for 200 clients, reducing processing time by 96%

PROJECTS

PantryPal | *Python, Pytest, FastAPI, MongoDB, HTML, CSS, JavaScript*
- Built a FastAPI wrapper for Spoonacular API and integrated it with the frontend, generating 25 recipe cards per query
- Implemented unit tests for the FastAPI Spoonacular API wrapper, achieving 91% test coverage across core functionality

MojiHands | *Python (Flask, NumPy, base64, PIL), MongoDB (pymongo), Mediapipe, JavaScript*
- Developed a hand gesture classifier with Mediapipe landmarks, achieving over 90% accuracy in detecting hand gestures
- Implemented image upload and camera toggle with HTML, CSS, and JS, achieving gesture recognition latency of ∼173 ms

COMMUNITY & LEADERSHIP

Google Developer Groups @ NYU ⚬ New York, NY
President *Aug 2024 – Present*
- Leading the 15 e-board and 400 club members, coordinating 20+ events a year to encourage a collaborative environment
- Managed a 7-person engineering/design team to develop a full-stack React + Flask platform serving 400+ NYU students
- Founded the club's first engineering program, mentoring 3 new teams each semester through building full-stack projects

TECHNICAL SKILLS

Languages: Python, Java, C, Assembly, JavaScript, TypeScript, HTML/CSS, Swift, SQL, R
Frameworks: React, Express, Node.js, Next.js, Flask, Tailwind CSS, Three.js
Developer Tools: GitHub, VS Code, Google Colab, Google Cloud, Jupyter Notebook, Anaconda, SPSS, MongoDB, AWS
Libraries: pandas, NumPy, TensorFlow, Matplotlib, Jest, Redux, mediapipe, PIL, OpenCV, Pytest