

# 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

- Engineered a TypeScript AWS service to automate financial reconciliation for 300K+ daily transactions (\$5.52B revenue)
- Consolidated 3 codebases into one repository, using Jest unit tests to achieve 90% coverage and reduce cloud costs by 15%
- Integrated 1 daily CyberSource financial report into S3 and BlackLine via SQS to automate yearly 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%
- Managed ~15 luxury clients (Porsche, Mercedes, JLR, VW) through monthly campaign builds/launches and optimization
- Compiled monthly Tier 1 BMW Dealer Careers decks by sourcing client insights from Meta, Google Ads, and LinkedIn

## 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