Guan Ying Goh

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EDUCATION

CUNY Hunter College, New York
Bachelor of Arts in Computer Science | Minor in Mathematics   Expected: May 2026
- Dean List, CGPA 3.53
- Courses: Software Design and Analysis III, Data Structure and Algorithms, Cyber Risk, Big Data, Operating Systems, Database Management, Computer Theory, Computer Architecture, Software Engineering, Web Development

EXPERIENCE

Brightside Health Inc | AI Studio Fellow   Aug 2025 - Present
- Extracted and validated evidence-based medical relationships from research papers, achieving 93% precision
- Normalized data with RxNorm, SNOMED CT, and LOINC, and loaded structured JSON into Neo4j to build a knowledge graph for research and decision support

American Museum of Natural History | Data Ingestion Intern | [SIMPLE Website](#)   May 2025 - Present
- Design and implement scalable backend ingestion pipeline using Python and SQL to ingest for over 2,000+ astronomical objects into SIMPLE, an AWS-hosted online database
- Contributed to the development and debugging of ingestion pipelines, enabling internal researchers access to the astronomical data and select nationwide collaborators to manage, access, and visualize

Google | Mentee @ Google Software Engineer Program(G-SWEP)   Mar 2024 - Jun 2024
- Participated in over 10 workshops on coding efficiency and problem-solving, which improved software development skills and strengthened team collaboration
- Gained hands-on mentorship and insights into large-scale engineering practices and agile development workflows

DNR Events LLC | Software Engineer Intern   Feb 2024 - Apr 2024
- Led a team of 3 interns to develop key shop features for the mobile application and its API using .NET Core and C#, improving user experience and functionality
- Implemented XML file parsing to display product information within the app, ensuring up-to-date content for users and integration with the company's backend systems
- Independently developed and implemented API integrations to link the company website with the mobile application, improving mobile app functionality

PROJECTS

HetioNet: Bioinformatics Data Analysis | *Python, Tkinter, MongoDB, Neo4j* | [Github](#)   Mar 2025
- Designed and implemented a database system modeling HetioNet to capture complex relationships across biological entities (e.g., diseases, compounds, genes, anatomy)
- Built a high-performance query engine using MongoDB and Neo4j, supporting scalable analysis and retrieval of 1 million biomedical data records from TSV file for drug discovery

FoodLink | HackCUNY Hackathon | *Figma(UI/UX), Javascript* | [DevPost](#) | [Github](#)   Feb 2024
- Designed the front-end experience of a web platform aimed at reducing food waste and improving food bank accessibility
- Collaborated with a 4-member team, created user flows, wireframes, and high-fidelity prototypes in Figma

Girls Who Code X WiCS Hackathon | *HTML, CSS, JavaScript* | [Github](#)   Dec 2022
- Create an interactive website addressing gender stereotypes and their impact on career barriers
- Won 1st place out of 10+ teams by leading a team of 4 to build a compelling, socially impactful web platform

LEADERSHIP & INVOLVEMENT

Break Through Tech AI @ Cornell Tech | AI & Machine Learning Fellow | [GitHub](#)   Present
- Selected from 3000+ applications and engaged in a 12-month long program
- Collaborating on a team of 4 at Brightside Health company, using AI/ML to analyze clinical research and support evidence-based treatment decisions for mental health conditions

Girls Who Code Club @ Hunter College | Treasurer   Present
- Managed club finances, including tracking income and expenses, budgeting, and preparing financial reports
- Requested funding for club events and initiatives, ensuring adequate resources for activities and operations

TECHNICAL SKILLS & AWARDS

Programming Languages: C++, C#, Python, HTML, CSS, JavaScript
Frameworks & Libraries: .NET MAUI, React/React Native, Express.js, Pandas, NumPy
Databases: PostgreSQL, MongoDB, Neo4j
Certifications: Google Data Science, CodePath Intro to Web Development, Machine Learning Foundation
Awards: 1st Place winner - Girls Who Code x WiCS Hackathon