Michael Yu Wei

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EDUCATION

Georgia Institute of Technology — May 2028
Bachelor of Science in Computer Science — *Atlanta, GA*
Relevant Coursework: Introduction to Object-Oriented Programming, Linear Algebra

Ward Melville High School — June 2025
Honors Graduate, Excellence in Data Structures — *East Setauket, NY*
Relevant Coursework: Data Structures, Differential Equations, Multivariable Calculus — **GPA**: 104.6

TECHNICAL SKILLS

Languages: Java, Python, C++, HTML, CSS, TypeScript, JavaScript
Frameworks: React, Next.js, Tailwind CSS
Developer Tools: VS Code, IntelliJ, IDLE, Git
Libraries: SciKitLearn, PyTorch, Pandas, NumPy, PyGame

EXPERIENCE

GTGuessr Web Developer — Sep. 2025 – Present
WebDev @ GT — *Atlanta, GA*
- Collaborating on a game where the user determines campus location based on a student-submitted photo
- Implementing a custom map and score-tracking feature using React, Next.js, and Tailwind CSS

Natural Language Processing Research Lead — June 2023 – Nov. 2023
University of Groningen — *Groningen, NL*
- Led a team of three to improve a state-of-the-art Ancient Greek inscription lemmatizer with Stanza and Python
- Eliminated 11.83% of errors in testing data by improving edit distance issues
- Wrote a 6-page paper and gave multiple presentations at a symposium to professors and academics
- Communicated with humanities professors to analyze feedback and implement solutions
- Configured cross-platform access and devised instructions for functionality across different operating systems
- Explored and expanded upon the foundation of a natural language analysis package

PROJECTS

Blob Showdown | *Java, Swing* — May 2024 – July 2024
- Collaborated in a team of three to design and develop a multiplayer shooter game
- Implemented a random maze generation algorithm with recursive backtracking
- Engineered a non-playable character with random movement to counteract stalemates

DocSearch | *Python, Gensim, SciKitLearn, NLTK, Pandas, Numpy, Regex, HTML, CSS* — June 2023 – July 2023
- Led a team of four to develop several document recommendation engines
- Examined likeness metrics of various corpora using Doc2Vec, Bag-of-Words, and cosine similarity
- Designed a website and presented findings to William & Mary College
- Explored various document analysis techniques such as Latent Dirichlet Allocation

LEADERSHIP AND COMMUNITY ENGAGEMENT

Coding Club President, Instructor, Webmaster — Aug. 2023 – June 2025
Long Island Youth Development Inc. — *East Setauket, NY*
- Partnered with a nonprofit organization to teach Java and Python coding languages virtually to 24 students from 5th to 10th grade with the mission of inspiring creativity and fulfilling curiosity
- Accumulated over 180 hours of community service by teaching and creating material for classes
- Demystified technical text-based languages for children with a passion
- Designed website structure and wrote several news articles

Teacher's Assistant, Go Instructor — Sep. 2021 – June 2024
Stony Brook Center for Chinese Learning — *Stony Brook, NY*
- Provided opportunities to reinforce students' cultural heritage and proctored oral and written exams
- Aided over 50 students ranging from kindergarten to adulthood with class activities
- Accumulated over 150 hours of community service in the classroom and holding cultural events
- Fostered passion and skill for the ancient Chinese game of Go by running tournaments and explaining strategies