**Yannick Mofor**

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**EDUCATION**

**STANFORD UNIVERSITY** Palo Alto, CA

Bachelor of Computer Science: Artificial Intelligence, Statistics Minor, GPA: 3.9 Expected June 2027

Relevant Coursework: Data Structures and Algorithms in C++; Computer Organization and Systems; Linear Algebra and Multivariable Calculus; Probability for Computer Scientists; Natural Language Processing

**TECHNICAL SKILLS**

**Languages**: Python, C++, JavaScript, HTML, CSS, R, SQL

**Libraries:** React.js, Node.js, Express.js, Pandas, NumPy, Scikit, Seaborn, Jupyter Notebook, SBERT, PyTorch

**WORK EXPERIENCE**

**Boston Consulting Group (BCG)** Austin, TX

Sophomore Summer Associate June 2025 – August 2025

**Stanford Quantitative Sciences Unit** Palo Alto, CA

Research Assistant January 2025 – Present

* Used novel “cheat-sheet” prompting approach to improve accuracy in clinical note classification
* Engineered pipeline to efficiently extract patient health information from electronic health records using Python

**Stanford Language and Cognition Lab** Palo Alto, CA

Research Assistant – Symbolic Systems Internship Program June 2024 – December 2024

* After personally conducting 14 experiments, created a pipeline using PyTorch Whisper model to transcribe 6 hours of experiments, combining transcriptions with data from Empirica database using R, to create a large textual dataset for analyses
* Analyzed dataset using statistical analyses and SBERT Python NLP tools to discover if children can form ad-hoc referential expressions with each other, evaluating accuracy and cosine similarity of sentence semantic vectors
* Co-author of manuscript submitted to National Cognitive Science conference

**PERSONAL PROJECTS**

**School to Prison Pipeline in Chicago Model** May 2025

* Used pandas to combine Chicago school district data, creating a longitudinal dataset of punitive measures in Chicago schools
* Used XGBoost weighting to determine strongest predictors of punitive measures in schools and Bi-variate Moran’s I to determine spatial correlation between punitive schools and neighborhood incarceration rates

**SQL Query Generator** August 2024

* Designed and implemented a full-stack web application using React.js and Node.js that can generate SQL database queries from natural language inputs
* Integrated OpenAI RESTful GPT 4o-mini API into website using Express.js library, facilitating natural language conversion

**LEADERSHIP AND PROFESSIONAL DEVELOPMENT**

* **Stanford Society of Black Scientists and Engineers Outreach Chair**: Coordinated the Greene Scholars tour, a conference held at Stanford offering children from under-represented backgrounds exposure to elementary computer science concepts, suturing skills, and panels from current Stanford students.
* **Management Leadership for Tomorrow, Career Preparation Fellow:** Accepted into a selective 18-month professional development program for high-achieving diverse talent.
* **Phi Kappa Psi Fraternity Diversity, Equity, and Inclusion Chair**
* **Stanford Symphony Orchestra Violist**

**HONORS**

**Stanford Boothe Prize in Academic Writing:** One of six Stanford freshmen selected for award in outstanding writing for my advisory policy essay for improved public memory culture in Britain and South Africa. Work published in Stanford winning essays book.