

Christian Ikeokwu

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EDUCATION

BA IN COMPUTER SCIENCE AND MATHEMATICS

BERLIN COLLEGE

Expected May 2021 | Oberlin, OH
Concentration in Statistical Modeling
Minor in Economics
GPA: 3.8/ 4.0

INTERNATIONAL BACCALAUREATE

RIDLEY COLLEGE

May 2016 | Ontario, CA

SKILLS

PROGRAMMING

Advanced:

Python • Java • Scala
• \LaTeX

Intermediate:

C • R • Matlab • Bash • SQL

TOOLS AND FRAMEWORKS

Pandas • Numpy • Mongoddb
• Flask • Git

COURSEWORK

Algorithms
Data Structures
Discrete Mathematics
Artificial Intelligence
Linear Algebra
Multivariable Calculus
Systems Programming

INTERESTS

Machine Learning • Anime
• Algorithmic Game Theory
• Bayesian Statistics • Multi-Agent
Systems • Quantum Computation
• Behavioral Economics

EXPERIENCE

TWO SIGMA | SOFTWARE ENGINEERING INTERN

May 2018 - Aug 2018 | Houston, TX

- Developed and implemented a payment gateway in **Java** compliant with the SWIFT protocol that simplified the transfer of money to our margin providers.
- Designed front-end web and excel interfaces to the service that displayed data and analytics for diagnosing and preventing errors in wire transfers.
- The service is utilized over **550+** times per week to transfer **\$4.5B** weekly.

TEEVO | SOFTWARE ENGINEER

Sep 2016 - Mar 2017 | Lagos, Nigeria

- Developed Palm Tasks an internal software tool used by office administrators to track and improve employee productivity and task management, using **Python, MongoDB, Flask/Jinja2 and HTML/CSS/JS** which increased productivity **20%** (measured by tasks completed).
- Applied data analytics and machine learning for the generation of ideas to increase engagement and retention of teenagers on the Teevo suite of (mobile and online) products, using **Numpy, Pandas and Scikit-learn** which enabled the company to grow its user ship **100%** per month.

MORGAN STANLEY | QUANTITATIVE RESEARCHER

Exp. May 2019 - Aug 2019 | New York, NY

- Fixed Income Strats and Modeling

RESEARCH

ALGORITHMIC GAME THEORY | RESEARCHER

Sep 2018 - Present. | Oberlin College Computer Science Department

- Engaged in paid research under professor **Sam Taggart**
- Developed closed form equation for computing welfare slices in a first-price auction
- Developed and implemented dynamic programming for searching the space of bid distributions to minimize welfare for first price auctions

PROJECTS

DISTRIBUTED COMPUTING | LEAD RESEARCHER

Jan 2018 - Feb 2018 | Oberlin College Winter Term

- Overhauled supercomputer nodes by replacing hardware, installing operating systems and implementing distributed computing frameworks with Spark.
- Implemented a distributed algorithms using functional programming through Scala.

ACTIVITIES AND LEADERSHIP

Nov 2018 - Present Computer Science Majors Committee (Member)
Sep 2017 - Present African Students Association (ASA)
Sep 2017 - Present Computer Science and Hackathon Club (President & Founder)

AWARDS AND RECOGNITION

2017 top 10% John F. Oberlin Scholarship
2016 1st/1000 Teevo Special Recognition for Innovation Award