

EDUCATION

PRINCETON UNIVERSITY (9/2018 - 6/2022)

GPA: 4.00 / 4.00
Major: Computer Science (CS)
Minor: Statistics and Machine Learning (SML)
Awards: Shapiro Prize for Academic Excellence (twice)
George B. Wood Legacy Sophomore Prize
Coursework: Machine Learning, Optimization,
Computer Architecture, NLP,
Algorithmic Game Theory,
Functional Programming,
Computational Biology

JFK MEMORIAL HS (9/2014 - 6/2018)

GPA: 4.33 / 4.33
Awards: Valedictorian, President, National AP
Scholar, Mr. JFK, NJSIAA Scholar Athlete

TECHNICAL SKILLS

(descending familiarity)

PROGRAMMING LANGUAGES

Python • Java • C • OCaml • Node.js • R • C++
Golang • ARMv8 • MIPS

DESIGN / MARKUP

HTML • LaTeX • Markdown • CSS • Bootstrap

DATABASE MANAGEMENT TOOLS

SQLAlchemy • PostgreSQL • MongoDB • AWS RDS

WEB APPLICATION TOOLS

Flask • Heroku • React • Express • AWS Amplify

MISCELLANEOUS

Colab • NumPy • Pandas • cvx • Matplotlib • Git
Linux • Microsoft Office • Firebase • BERT

LEADERSHIP

DAILY PRINCETONIAN (7/2020 - PRESENT)

Chief Technology Officer
Lead newspaper's tech team in development of
internal business tools, consumer-facing
websites, and digital editorial projects.

PRINCETON PUZZLES (9/2018 - PRESENT)

Treasurer
Annually raise \$6000 and gather company swag
to successfully hold the Princeton Puzzle Hunt.

PRINCETON COMMUNITY

PROJECTS STUDIO (9/2019 - 3/2020)

Computing Mentor
Weekly visits to grade school to help students of
underrepresented minorities learn programming.

WORK EXPERIENCE

CAPITAL ONE (6/2021 - 8/2021)

Technology Internship Program: Software Engineering Intern
Node.js • Angular 10 • AWS RDS • AWS Lambda • AWS S3
- Developing data entry solution to track additional fields on bank accounts.

FIVE RINGS CAPITAL (1/2021 - 2/2021)

Winter Externship: Software Engineering Intern
C++ • Python • Linux • AWS WorkSpaces • Vim • React
- Added features to internal-facing market simulator used by traders.
- Furthered development on interprocess communication based projects.

U.S. AIR FORCE (AF) KESSEL RUN LAB (6/2020 - 8/2020)

Premier College Intern Program: Software Engineering Intern
Node.js • Visual Studio • Documentation • PostgreSQL • Legacy Software
- Configured team's development environment on cloud service.

PRINCETON UNIV. COMPUTER SCIENCE DEPT (9/2019 - 6/2020)

Peer Tutor & Lab Teaching Assistant
Java • C • ARMv8 (Assembly Language) • Machine Language • Debug
- Assisted students in introductory programming courses during debugging.
- Provided 1-on-1 on-call tutoring in CS226: Algorithms and Data Structures.

PRATT & WHITNEY (6/2019 - 8/2019)

Digital Technology Leadership Program: Software Engineering Intern
Oracle PL/SQL • Automation • Workflow Software • Microsoft SSRS
- Set up real-time reporting on shop floor operations w/ Microsoft SSRS.
- Streamlined service requests with United Technologies Corp software.
- Wrote SQL scripts to transfer data from Excel to Oracle PL/SQL tables.

PROJECTS

GIN RUMMY EAAI RESEARCH CHALLENGE (6/2020 - 2/2021)

Python • Java • Reinforcement Learning (RL) • Research • Game Theory
- Wrote RL agent to play Gin Rummy and published accompanying write-up.

ZAGE OPERATIONAL TOOLS (5/2020 - 8/2020)

Python • Google API Console • Automation • Startup • Client Relations
- Managed tools to reach/onboard businesses for new payment platform.

APSA MATCHER (5/2020 - 6/2020)

Python • Google API Console • Healthcare • Code for URM • Automation
- Worked w/American Physician Scientists Association to match students
of underrepresented minorities to principal investigators for summer.

MEALQUEUE (3/2020 - 5/2020)

Python • SQLAlchemy • Flask • Bootstrap • Project Management/Leader
- Led full stack development team to create three-tiered web application
for online-ordering for Princeton University Dining Services program.