

EDUCATION

PRINCETON UNIVERSITY

Major in Computer Science B.S.E., Certificate in Statistics and Machine Learning

Princeton, NJ

2014 - 2018

- GPA: 3.6 / 3.7 (departmental)
- Curriculum: Data Structures and Algorithms, Theory of Computation, Networks, Probability and Stochastics, Optimization, Independent Work / Research

THOMAS JEFFERSON HS FOR SCIENCE AND TECHNOLOGY

Technical Courses: A.P. CS (Java); Artificial Intelligence 1 & 2 (Python)

Alexandria, VA

2010 - 2014

WORK EXPERIENCE

HOOKLOGIC INC.

Data Science Intern

New York City

Summer 2016

- Initiated Hive queries on AWS clusters to analyze performance of machine learning models. Visualized results on dashboard, providing quantitative performance updates.
- Improved training data sampling algorithm for logistic regression models running on Apache Spark / Mahout. Results improved accuracy of prediction heuristics.

PLACE PIXEL

Software Engineer Intern

New York City

Summer 2015

- Implemented dynamic Javascript Google Charts dashboard to visualize backend data.
- Increased Python experience coding Beautiful Soup web crawlers, furthering knowledge of webpage DOM and SQL.

PRINCETON COMPUTER SCIENCE T.A.

Undergraduate Lab TA

Princeton, NJ

2015 - Present

- Biweekly shift to assist peers on assignments for introductory computer science courses (Data Structures and Systems), reinforcing fundamental concepts.

TECHNICAL PROJECTS

HOOK CUP

Summer 2016

- Automated Slack bot that organizes convenient coffee runs among unconnected colleagues, improving office cohesion. Won 2nd place at HookLogic Hackathon.

BOOK UP

Summer 2015

- Monitors the Textbook Exchange group at Princeton and sends the student an email when a relevant book, providing faster, cheaper and easier textbook purchases.
- Continuation of Hack Princeton project. Facebook API, and AWS virtual Linux. Available to over 3,000+ undergraduates at dliu18.github.io/BookUp

EXTRACURRICULARS

DAILY PRINCETONIAN NEWSPAPER

Head Sports Editor

Princeton, NJ

2014 – Present

- Manages team of staff writers to publish daily papers. Articles on everything from water polo to volleyball can be found at: <http://dailyprincetonian.com/author/dml3/>
- Received The Daily Princetonian Award for Excellence in Sports Writing 2016

PRINCETON PEER ACADEMIC ADVISER

Residential College Student Staff

Princeton, NJ

2016 - Present

- Provides academic guidance (primarily CS/engineering) to university freshman.

Summary of Technical Skills: Java/Python/C/Go, Linux, Hadoop, Spark, Javascript, Flask/Django