

Diego A. Taveras Rivera

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EDUCATION

University of Illinois at Urbana-Champaign

Bachelor of Science in Computer Science

Graduation Date: May 2025

GPA: 3.75/4.00

Relevant coursework: Data Structures, Computer Architecture, Software Design, Linear Algebra, Intro to Computer Science I (Honors) and II, Discrete Structures, Multivariable Calculus, Physics: Elec & Mag

Harvard University

Introduction to Computer Science using Python CSCI S-7

HONORS

Dean's List

Fall & Spring 2022

Computer Science Visionary Scholarship

2021 -2025

James Scholar of Grainger Engineering

Spring 2022

Presidential Scholars Program Candidate

2021

Hispanic Scholarship Fund - HSF Scholar

2021

EXPERIENCE

Course Assistant in Introductory Computer Science Course (CS124)

2022

University of Illinois

- Teach fundamental topics in Java and Kotlin through virtual office hours and course forum.
- Develop recorded audiovisual code walkthroughs to teach students in both programming languages.
- Help students with Android development machine projects in Android Studio.

ACM/SIGpwny member

University of Illinois

- Completed dozens of CTF challenges involving UNIX and attend weekly meetings on cybersecurity.

PROJECTS

ARC Capacity Viewer (Django, React.js, MySQL)

- Django development of views, data models, and app encapsulation.
- Leveraged REST APIs for effective data transfer between frontend and backend components.
- MySQL for modeling capacity data for live capacity feeds for sections of UIUC's ARC facility.

Reddit Visualizer (C++, Catch2)

- Parsed large dataset to be modeled as a graph data structure.
- Implemented graph algorithms to find the shortest path between reddit posts through hyperlinks.
- Used graph visualization to display the relationships in centrality (betweenness, closeness) within posts.

SKILLS

Computer

- Programming Languages: C++, Python, Java, SQL, Kotlin, UNIX, HTML
- Tools/Frameworks: Django, React.js, Git, Docker, Flutter, Android

Other Skills

- Fully Bilingual – English/Spanish
- Music theory knowledge
- Classical Guitar
- Nutrition and fitness
- Microsoft Office
- Adobe Premiere Pro