

DANIEL HU

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EDUCATION

PRINCETON UNIVERSITY

2021 - Current

Computer Science (Intended Minors: Cognitive Science)

Princeton, NJ

- GPA: 3.8 | Relevant Coursework – Introduction to Machine Learning*, Advanced Programming Techniques*, Elements of Decentralized Finance*, Linear Algebra with Applications, Algorithms and Data Structures, Reasoning about Computation, Introduction to Programming Systems, Computational Physics Seminar (*= in progress)

EXPERIENCE

PRINCETON UNIVERSITY - DEPARTMENT OF COMPUTER SCIENCE

Sept. 2022 - Current

Grader

Princeton, NJ

- Fall 2022: Algorithms and Data Structures (100+ students)

FUSION SYSTEMS GROUP

June 2022 – Aug. 2022

Software Engineer Intern

Tokyo, Japan

- Implemented application-wide Django/PostgreSQL util formatting methodology to refactor and enable uniform rounding for all tenants.
- Optimized exportpdf functions in React and Django backend/frontend to query data from PostgreSQL database, creating more accessible data for 1,000 restaurant locations spanning multiple countries.

PRINCETON UNIVERSITY - DEPARTMENT OF PSYCHOLOGY

Oct. 2021 - May 2022

Research Assistant

Plainsboro, NJ

- Engineered a Firebase-based web app to store fNIRS data research under Ms. Sori Baek and Dr. Lauren Emberson.
- Implemented linear regression model to search or estimate infants' attrition rate with study variables.

HOAGIE.IO

Sep. 2021 – Current

Projects Team Developer

Princeton, NJ

- Constructed general UI elements and general features for HoagieClubs, a webapp designed to display daily food menus for the 10 dining halls on campus.

MBS ACCOUNTING TECHNOLOGY & ADVISORY

June 2021 – Aug. 2021

Web Development Intern

New York, NY

- Devised an interactive web application with HTML/CSS/JS to optimize and integrate clients' accounting stacks and technologies. Delivered for use by the firm's 150+ clients.

SKILLS / AWARDS

Awards: Horatio Alger State Scholar, QuestBridge National College Match Finalist & College Prep Scholar, Quarter Zero Cup Semifinalist, USA Computing Olympiad Silver Division, Maiden Voyage Scholar, Class of 2010 Tenth Anniversary Scholar

Technologies: HTML/CSS, Java, Python, React.js, Django, PostgreSQL, MongoDB, Firebase, Node.js, Go, Express, Bootstrap 3/4/5, jQuery, Git

Languages: English, Mandarin, Spanish

PROJECTS

HOAGIE MAIL | *React, Go*

January 2022

- Webapp allowing students to send e-mails to entire Princeton undergraduate student body. Service saw more than 700 e-mails sent per month.

SPONSORED.DAILYPRINCETONIAN.COM | *HTML/CSS, Flask, React, TypeScript*

Jul 2021

- Platform website designed for largest student newspaper to connect students with recruiters. Webapp updated by the semester to allow for more opportunities.

SOCIALSCOUT | *HTML/CSS, Python*

Mar 2020

- Machine learning recognition web app designed to flag and identify potentially NSFW content on Twitter, semifinalist for the Quarter Zero Cup Entrepreneurship competition.