

# Abdul Sohu

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## EDUCATION

### University of Pennsylvania

Bachelor of Arts in Computer Science

Bachelor of Arts in Logic, Information, and Computation

Philadelphia, PA

Aug 2017 - May 2021

### Relevant Coursework

- **Computer Science** - Advanced Algorithms, Data Structures, Web Systems, Compilers, Networks, Software Engineering
- **Creative Thinking** - Introduction to Logic & Computability, Discrete Math, Graphic Design, Creative Writing

## WORK EXPERIENCE

### Research Assistant

Wharton School of the University of Pennsylvania

Philadelphia, PA

June 2020 - Present

- Supported quantitative projects at Wharton by performing data analysis and machine learning techniques.
- Responsible for sentiment detection and handling data from gjoin.com, a platform that aggregates content from super-forecasters and leading experts in various fields.
- Utilized Python modules for language modeling, and Selenium for web scraping to construct predictive models.

### Software Intern

New Student Orientation, University of Pennsylvania

Philadelphia, PA

May 2019 - Present

- Redeveloped Penn Guides Android application and registered series of complaints against Android indexing of the app: resulted in more than 50% user increase for University of Pennsylvania's 2019 New Student Orientation.
- Launched websites 'Preceptorials.com' and 'Year of Civic Engagement' and reduced department costs by 500% in doing so.
- Refactored and released a new website base HTML/CSS code to resolve more than 700 ADA Compliance tokens.
- Organized and dispensed event timeline for orientation, and enabled collaboration between more than 20 Penn departments.

### Web Development Intern

Annenberg Center for Performing Arts

Philadelphia, PA

September 2017 - May 2019

- Web designer intern for one of Philadelphia's top performing arts venues.
- Researched and suggested adoption of iModules for solutions: click-through rates up by 15-25%.
- Used SEO tactics for higher search index results: revenue up by roughly \$22,000 every year.
- Renovated website, and worked closely with Events Coordinator to maximize online presence and improve client data collection—submissions increased by > 50%.

### Project Director

Nexo Productions

Philadelphia, PA

January 2018 - August 2019

- Promoted to Project Director (started as videographer) in the student-run advertising startup/creative agency.
- Contributed to the startup's generation of more than \$60,000 in revenue within two years of operation.
- Acquired high-profile clients including University of Pennsylvania, TGI Fridays, and Forbes Under 30 startups.

## PROJECTS & OTHER

### Preceptorials.com

Lead Developer and Manager

- Employed by the University of Pennsylvania to create a website, on short notice (2 days), to deliver special instructor content to students.
- Designed an appealing website with Gatsby/React/Bulma and used Google Sheets for user friendly content management.
- Utilized CRON jobs and Github Actions to update the static website, to ensure it was both fast as well as dynamic.
- Used cost-effective means to make the solution cost-effective (free) and enabled the University to serve > 3900 unique visitors and scale up to 15,000 hits over 6 days.

### CIS550 @ Coursera

Beta Tester

- Helped design Penn's flagship online Database course offering, meant to reach > 500 students per semester.
- Corrected accessibility options within the Coursera platform to ensure access-for-all for the University's sole Databases course amongst > 60 graduate (500-level) courses.
- Verified correctness, logged technical issues, as well as potential syntactical problems with course material.

### YearOfCivicEngagement.com

Lead Developer and Manager

- Integrated a section within University of Pennsylvanias website to allow the university to showcase ways it is enabling students to engage with complex societal issues like racism, inequality etc.
- Ensured user-friendly behavior and accessibility for over 1500 users using custom HTML/CSS code.

## SKILLS

**Languages:** Java, Python, Javascript, C, OCaml, HTML/CSS, Bash

**Tools:** React, Gatsby, Node.js, Django, Flask, Android, Sci-Kit Learn, Git, Heroku, Unit Testing