

# 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

### Teaching Assistant

*CIS 557 - Programming for the Web, CIT 582 - Blockchains and Crypto*

- Project manager for student groups: supervise project specifications and lead team meetings to keep groups on track.
- Lead recitations and grading: meet one-on-one with students to discuss coding style, homework, and class performance.

Philadelphia, PA

Dec 2020 - Present

### Research Assistant

*Wharton School of the University of Pennsylvania*

- Increased data cohesion by 50% for quantitative projects by utilizing machine learning techniques.
- Validated available data through language modeling, and using Selenium to web scrape over 300 online resources.
- Aggregated data points, and conducted sentiment detection for data incoming from gjoin.com, a platform that aggregates content from super-forecasters and leading experts in various fields.

Philadelphia, PA

Jun 2020 - Present

### Software Intern

*New Student Orientation, University of Pennsylvania*

- 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 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.

Philadelphia, PA

May 2019 - Jun 2020

### Web Development Intern

*Annenberg Center for Performing Arts*

- Web development 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%.

Philadelphia, PA

Sep 2017 - May 2019

### Project Director

*Nexo Productions*

- 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.

Philadelphia, PA

Jan 2018 - May 2019

## 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.

## 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