

# Shashwat Singh

shashanoid@gmail.com | (267) 461-0592

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## EDUCATION

### Drexel University

#### Bachelors in Computer Science

June '21 | Philadelphia, PA

## LINKS

[shashwatsingh.me](https://shashwatsingh.me)

[github.com/shashanoid](https://github.com/shashanoid)

[linkedin.com/shashanoid](https://linkedin.com/shashanoid)

## COURSEWORK

- Algorithms
- Data Structures
- Systems Programming
- Operating Systems
- Advanced Computing Systems
- Systems Architecture
- Machine Learning
- Computer Graphics

## SKILLS

### Programming Languages:

Python, JavaScript, HTML/CSS,  
Ruby on Rails, Swift, Java, C++,  
Bash, SQL

### Technologies:

Git, React, Redux, Node, Flask,  
Django, Redis, numpy, pandas,  
OpenCV, gRPC, Travis,  
Bitbucket Pipelines,  
AWS/Google Cloud Platform,  
Docker, Heroku

### Design:

Sketch, Balsamiq, Photoshop

## WORK EXPERIENCE

### University of Pennsylvania | Software Development & Research Intern

June 2020 - Sept. 2020 | Philadelphia, PA

- Helped design, build, and launch Qoeus – a smart databank to easily store & manage course material from scratch in 3 months.
- Developed tools to effortlessly generate quizzes, exams, & homework saving course faculty **15hrs every week**.
- Worked directly with the university to integrate Qoeus across 5 departments.

### Skillz Inc. | Full-Stack Developer Intern

Apr. 2019 - Sept. 2019 | San Francisco, CA

- Rebuilt developer console from Ruby to TypeScript and facelift the application boosting monthly signups from **678 to 3100**.
- Streamlined APIs by implementing GraphQL which also promoted schema & type driven development.
- Optimized various server-side operations through thread management by leveraging logs & monitoring tools decreasing server load **by 40%**.
- Increased automated unit test code coverage of core applications from **72% to 98%**. Fixed trivial bugs, and responded to tens of **overnight support incidents**.

### Macquarie Investment Group | Software Engineering Intern

Apr. 2018 - Sept. 2018 | Philadelphia, PA

- Developed in-house analytics solutions leveraging Splunk & Twilio that reduced errors in analytics tagging, and removed dependency on entire vendor analytics software, saving **\$50k/year**.
- Developed asset & report management websites using .NET to streamline business processes.
- Reduced load times **by 30%** of internal websites by implementing caching strategies and changing the dynamic rendering of data.
- Built sandbox web applications using real-time trading data for finance interns.

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## PROJECTS

### SimPDF | [simpdf.com](https://simpdf.com)

- Edit PDF like a word doc
- Created PDF generator API with tracking & analytics
- 15k+** active daily users
- #1 Product of the day on Product Hunt

### TestFlight Live | [testflight.live](https://testflight.live)

- Beta testing Appstore for iOS & Android apps where developers get real-time feedback from real users
- 1200+** Apps with 6000 daily active users

### Apollos Playlist | [apollosplaylist.com](https://apollosplaylist.com)

- Developed web and mobile app leveraging Spotify API to create a tool for editing playlists for specific moods or events based on track statistics

### React Fast Charts

- Fast charting library in React that loads in **less than 50ms**