

# SHANNON SUHENDRA

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## EDUCATION

**University of Pennsylvania** | Philadelphia, PA

**Expected:** May 2023

*B.A.S in Computer Science & Minor in Engineering Entrepreneurship*

**Cumulative GPA:** 3.79/4.00

- **Relevant Courses:** Software Design, Data Structures & Algorithms, Scalable & Cloud Computing, Database & Info Systems
- **Teaching Assistant:** Programming For The Web, Programming Languages and Techniques, Big Data Analytics

## SKILLS

**Programming Languages & Frameworks:** Java, Python, JavaScript, TypeScript, React.js, React Native, Node.js, Express.js

**Databases & Tools/Technologies:** MySQL, PostgreSQL, MongoDB, Git/GitHub, Heroku, web scraping, REST API, component/integration/end-to-end testing, Cypress, Playwright, Jira, Trello, Confluence, Agile, Scrum, Figma

## PROFESSIONAL EXPERIENCE

**UiPath** (Software Automation Startup) | Seattle, WA

May 2022 – Aug 2022

*Software Engineer Intern*

- Managed authentication using OIDC Auth flow and React for UiPath's ~130K users to embed UiPath Automation Cloud products via iframe into their own application; implemented end-to-end testing with Playwright
- Collaborated with routing team to host embed application on `cloud.uipath.com/embed_` and updated UiPath's backend to ensure application is served at correct route
- Implemented and supported industry best practices in handling personal access tokens restricted to user scoped access using React, resulting in better security management for UiPath's ~5K enterprise customers
- Executed component and integration testing using Cypress with over 80% code coverage

**CoLearn** (EdTech Startup) | Jakarta, Indonesia (Remote)

Jul 2021 – Aug 2021

*Product Engineer Intern*

- Integrated AWS X-Ray tracing on CoLearn's infrastructure to troubleshoot performance issues and errors
- Migrated 90% of backend service of an existing application used by ~5M users into independent application
- Developed Web API using Django REST framework and PostgreSQL, allowing CoLearn's team to easily build new services around database

**Engineering Summer Academy at Penn** | Philadelphia, PA (Remote)

Jun 2021 – Jul 2021

*CS Teaching Assistant*

- Guided 40 high school students through a college course focused on object-oriented programming in Python
- Held weekly office hours to assist students on homeworks and built test cases for automated grading, saving 2 hours per week
- Collaborated with team of 7 teaching assistants to organize community building activities for students

**Qoala** (InsurTech Startup) | Jakarta, Indonesia

Jun 2019 – Aug 2019

*Data Science and Quality Assurance Intern*

- Automated data entry for company's application to reduce time spent on claiming insurance by up to 800%
- Extracted data using Python and Amazon Textract from table-based Family Identification Card via OCR technology
- Streamlined data entry process of post-checkup summary for medical company client, eliminating manual extraction for ~1000 documents per week
- Conducted manual and automatic quality assurance testing and found over 20 bugs for ongoing project application

## PROJECTS / LEADERSHIP ACTIVITIES

**Penn CAPS** (Counseling Scheduling App for Students) | Philadelphia, PA

Feb 2022 – May 2022

*Team Coding Project*

- Led team of 5 through agile methodology to develop web and mobile application using React.js, React Native frontend and Node.js, Express.js, and MongoDB backend
- Built chats page using React hooks that allows students to message counselors and receive live notifications throughout app
- Implemented CI/CD workflow using GitHub Actions and deployed application through Heroku

**Permias Nasional** (Indonesian Student Organization) | United States, USA (Remote)

Jul 2021 – May 2022

*Co-Director of Technology Committee*

- Maintained websites and digital platforms used by 9000+ Indonesian students and alumni in the US
- Coordinated with teams across 12 different departments to support technological needs

**Blood Donor Community Project** | Jakarta, Indonesia

Jul 2016 – Aug 2019

*Personal Coding Project*

- Developed mobile app for iOS and Android using React Native to encourage blood donations to Red Cross, reaching 70+ donors
- Updated community on number of successful donors per blood type through mobile application utilizing JSON