

Gurleen Singh

gurleen.singh@drexel.edu ❖ (267) 255-6806 ❖ Philadelphia, PA ❖ <https://gurleen.dev/>

EDUCATION

Drexel University

Bachelor of Science in Computer Science

Anticipated Graduation: June 2023

Philadelphia, PA

Relevant Coursework: Data Structures, Systems Programming, AI, Software Security, Concurrent Programming

WORK EXPERIENCE

Philadelphia Phillies

Associate Software Engineer, Baseball Research & Development

Philadelphia, PA

March 2022 - September 2022

- Created data pipelines in Python to receive and process baseball game data
- Optimized and hardened process for receiving shared league-wide from MLB
- Worked with analysts and baseball operations staff to improve quality of data and models

Drexel University

Broadcast Engineer, Athletics

Bala Cynwyd, PA

October 2018 - Present

- Produce television broadcasts of DI NCAA basketball games for NBC Sports Philadelphia
- Prepare run-of-show and advertising plans for 40+ games each season
- Develop, maintain and document in-house graphics playout software

Susquehanna International Group

Software Development Co-op, Energy Desk

Bala Cynwyd, PA

March 2021 - September 2021

- Developed efficient software pipelines using Python to deliver market data to team of 12 traders
- Designed and implemented REST API to serve high-resolution tick data from Intercontinental Exchange
- Conducted UI testing using Selenium to improve reliability of market data frontend

Linode

Software Engineering Intern, API

Philadelphia, PA

March 2020 - March 2021

- Contributed new code and tests to Linode API v4 using Python and Flask for 800k+ customers
- Engineered and deployed SSL certificate upload feature for Object Storage service
- Decreased API response time by 20% by measuring and configuring app logging using Salt
- Accelerated developer metrics tracking for managers by building Vue interface for GitHub Enterprise API

WeWager

Co-Founder, CTO

Philadelphia, PA

May 2019 - August 2021

- Implemented Django REST API backend for sports application with 200+ beta users
- Designed and developed mobile app using Flutter for iOS and Android

SKILLS

- **Programming Languages:** Python, Java, JavaScript, Dart (advanced), C/C++, Swift, Go, HTML/CSS (intermediate)
- **Technologies:** Docker, Kubernetes, Salt, Linux, AWS, SQL, Git
- **Frameworks:** Django, Flask (advanced), Express, Vue, Flutter (intermediate)
- **Applications:** Adobe Creative Suite, Final Cut Pro

HONORS AND ACTIVITIES

- Teaching Assistant for CS 164: Introduction to Computer Science
- Dean's Ambassador for College of Computing and Informatics
- Social Committee Chair for All-College Choir
- A.J. Drexel Scholarship Recipient, 2018-2023