

Gurleen Singh

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EDUCATION

Drexel University

Philadelphia, PA

Bachelor of Science in Computer Science

June 2023

Minor in Entrepreneurship and Innovation

Cumulative GPA: 3.0

Relevant Coursework: Data Structures, Advanced Programming Tools and Techniques, Web and Mobile App Development, Systems Programming

WORK EXPERIENCE

Linode, LLC *an independent cloud computing provider*

Philadelphia, PA

Software Engineering Intern

Mar. 2020 - Aug. 2020

- Contributed new code and tests to Linode API v4 and Bare Metal projects in Python and Go
- Reduced API response time by 20ms by configuring app logging with SaltStack
- Developed web app for tracking developer metrics on GitHub using Vue.js, saving time for managers
- Designed and implemented SSL certificate upload feature for Object Storage service

WeWager *a peer-to-peer sports wagering start-up*

Philadelphia, PA

Co-Founder and Chief Technology Officer

May 2019 – Present

- Design and develop web app and REST API using Django used by 200+ users
- Deploy and maintain app on 2 Linux cloud hosts using Docker
- Implement mobile client using Dart and Flutter for iOS and Android distribution
- Collaborate with non-technical staff to build consistent vision across teams

PROJECT EXPERIENCE

DragonsTV Graphics Playout Software

Mar. 2019 – Present

- Developed a Node app for rendering broadcast graphics for online and TV (NBCS Philadelphia) distribution
- Designed animated web graphics using Vue.js and GreenSock

ezTickets

March 2020

- Built Node.js API that implemented an event ticketing system with 3 teammates
- Persisted data using Sequelize and Postgres

CHIP-8 Emulator

April 2020

- Developed portable C program for interpreting CHIP-8 programs
- Drew graphics to screen using cross-platform SDL library

SKILLS

- *Programming Languages:* Python, JavaScript (advanced), Dart, Bash, C, Go, HTML/CSS (intermediate)
- *Frameworks:* Django, Flask, NodeJS, SocketIO, Flutter
- *Operating Systems:* Ubuntu/Debian, macOS

HONORS AND ACTIVITIES

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