Neil Kanakia

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Education

Drexel University Philadelphia, PA

Bachelor of Science in Software Engineering (GPA: 3.3) *Expected Graduation Spring 2023*

AJ Drexel Scholarship Recipient

Courses: *Data Structures and Algorithms, Computer Networks, Databases, Software Architecture, Systems Programming, Programming Language Concepts, Software Architecture, Open Source Software Engineering*

Technical Skills

Languages: Python, Java, C, Haskell, Scheme, Swift
Scripting: HTML, CSS, Bash, Zsh, Latex
Frameworks: Angular, Spring, Django, Flask, NodeJS, Flutter
Developer Tools: Docker, Git, SQL Alchemy, PostgreSQL, My SQL, SQLite, Arch Linux, AWS, IntelliJ, PyCharm

Work Experience

Software Engineer Intern Starting June 2022-August 2022

Charles Schwab *Dallas, TX*

- Developed interactive client facing forms using **Angular**w and **Typescript**
- Automated web testing for external client facing website
- Deployed changes from production. **JIRA, Bamboo, Confluence, Invision**

Research Assistant (Part Time) July 2021 - December 2021

Drexel Wireless Systems Lab, Drexel University *Philadelphia, PA*

- Developed mobile application using **Flutter** for tracking **IoT** data and adding new devices.
- **Dockerized** and deployed images of web applications for VarIoT for rapid testing/deployment and prototyping

Software Engineering Coop April 2021 – September 2021

Drexel University *Philadelphia, PA*

- Designed and enhanced applications in an back end web applications using **Java** and **Spring** Framework
- Improved and developed **REST APIs** for 4 applications
- Created specialized applications and micro services from the ground up
- Formulated data models deployed in Microsoft SQL

AWS/Software Developer Coop September 2019 – March 2020

Wharton School, University of Pennsylvania *Philadelphia, PA*

- Leveraged AWS Lambda Instances to save over 50 hours of work/year for updating employee data
- Designed multiple web platforms responsible for tracking IPs and net addresses using Python—Flask frameworks
- Utilized Flask and Postman to develop a REST API responsible for monitoring data
- Employed tools such Terraform, DynamoDB, Amazon S3 Bucket and AWS Cloud9 in day to day operations

Selected Projects and Awards

Drowsy Dragons | *Third Place at Dragon Hacks Drexel University IEEE Hackathon (Devpost)* April 2021

- Incorporated a Raspberry Pi Camera, Python, OpenCV, and Pillow library to detect drowsiness in drivers
- Created a real-time back-end website to monitor driving statistics and access Spotify API to alert the driver

Nest | *Best Student Team Prize at Philly Codefest Hackathon (Devpost)* May 2019

- Implemented a web application to connect the homeless to shelters, soup kitchens and restrooms
- Designed using HTML, Javascript, NodeJS, Firebase and Python

Restaurant-Vibe (Github) | *Location based restaurant picker* March 2021

- Deployed web application to recommend restaurants based on users current mood, location and dietary preferences
- Built using NodeJS, Google Maps API, AWS Dynamo DB, PostgreSql