

Patrick Kranz

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EDUCATION

York College (YC), City University of New York (CUNY)

Bachelor of Science in Computer Science | Overall GPA: 4.00/4.00

Queens, NY

Expected December 2019

Relevant coursework:

Algorithms and Data Structures, Operating Systems, Cryptology and Network Security, Software Development

SKILLS

Programming Languages: JavaScript, HTML, CSS, C++, Python, SQL

Frameworks / Libraries: Node.js, Express.js, React.js, Mongoose.js, Bootstrap4, Sequelize.js

Technologies / Databases: VS Code, Git, MongoDB, PostgreSQL

Operating Systems: OS X, iOS, Linux

SELECTED PROJECTS

Food Chase

Oct 2019 – Present

- Implement a web-based application in a team of 3 which supports users to buy leftover food at a discounted price from restaurants
- Create and form a database using PostgreSQL and Sequelize.js to store restaurants' and customers' information
- Build RESTful API using Express.js to support the web application

Job Finder - Job Scraping System

Sep 2019 - Oct 2019

- Built a single-page web application using React.JS, Node.js, and Bootstrap for users to browse local job listings
- Utilized MongoDB and Mongoose.js to store job post information, and Express.js to support the web application

Music Downloader

Oct 2018 - Jan 2019

- Built a command line application using Python which allows users to download music from YouTube
- Utilized Spotify's API and Google's API to retrieve relevant artist, album song, and video data
- Employed youtube_dl to download and save mp3 files to the user's storage device

RELEVANT EXPERIENCE

CUNY Tech Prep

New York, NY

Student Software Developer

Jun 2019 – Present

- Selected for a full stack JavaScript training program, as one of 125 students out of 400+ applicants
- Learn in-demand technologies like React, Node + Express, and PostgreSQL as well as industry best practices for design, implementation, and deployment such as MVC, version control with Git/GitHub, agile & Scrum with Trello and Slack, test driven development, and CI/CD

Johns Hopkins University

Saratoga Springs, NY

Cryptology Teaching Assistant

Jun 2019 – Aug 2019

- Lectured as requested by the instructor as well as lead evening class sections
- Researched encryption techniques under instructor guidance to help create modern course material
- Implemented command line applications to help students better understand Advanced Encryption Standard and Data Encryption Standard methods
- Worked one-on-one and in small groups with students outside the classroom to assist them in understanding material

SUPPORTING EXPERIENCE

Popsicle Pushers Distributors Corp.

Northport, NY

Sales Representative

May 2016 – May 2019

- Exceeded weekly sales goals by 200% by consolidating delivery routes and identifying high revenue clients
- Provided exceptional customer service to existing accounts by addressing and solving all issues as soon as possible
- Cultivated strong relationships with new clients through understanding and acknowledging client goals

ASSOCIATIONS & INTERESTS

The National Society of Leadership and Success, Sep 2018

Interests: Translational Bioinformatics, Telemedicine, Information and Cyber Security