Abid Siam

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EDUCATION

New York University   Brooklyn, NY
Bachelor of Science in Computer Science, Minor in Mathematics   *Sep. 2016 – May 2020*

EXPERIENCE

Software Engineer   July 2020 – November 2022
Chubb   *Whitehouse Station, NJ*
- Developed new features and fixed defects for Chubb's internal Easy Quote application via microservices implemented in Angular/Typescript
- Created custom test cases in Jasmine and Karma – unit and functional cases
- Collaborated in an Agile/Scrum environment with Chubb's business and technology associates to identify opportunities for improvement, and to validate, refine and prioritize user stories
- Supervised multiple build deployments of codebase and microservices to Jenkins and Azure
- Implemented custom Angular controllers and microservices via REST API development
- Utilized Kubernetes to monitor and orchestrate the deployment, scaling, and management of Docker containers

Software Developer   Jan. 2019 – June 2020
RealNetworks   *New York City, NY*
- Developed and secured UI application with front-end based authentication using HTML, AngularJS, JavaScript, JQuery, and CSS
- Integrated frontend with Spring Security for authentication and called backend services via Cassandra database
- Optimized loading times for data tables on UI pages via parallelism and multithreading
- Created custom loaders and state behavior style effects with CSS Bootstrap
- Enhanced user experience for KONTXT Demand search engine and web traffic scoring algorithm (PHP)

Engineering Aide   July 2017 – Dec. 2018
Con Edison   *New York City, NY*
- (JavaScript, HTML) Developed and launched new internal mapping application using Bing Maps API to view Con Edison infrastructure
- (Python, MySQL) Developed graph algorithm to trace structures along Con Edison's primary feeder network; identified nearest substations given a node
- (Tableau, QGIS) Designed and implemented tableau dashboard for company users to view feeder network data

PROJECTS

"Finstagram" Web Application | *Python, Flask, MySQL, HTML, CSS, Bootstrap*
- Developed Flask based photo sharing web application. Provides users control over content in personalized groups.
- Backend database implemented with SQL and Python's mySQL library for query execution
- Project URL: https://github.com/abid-siam/finstagram-project

Natural Cure Diagnosis Application | *Flask, Natural Language Processing*
- Collaborative project utilizing medical API – received **Myron Rosenthal Computer Science Award**
- Implemented frontend controller logic, NLP data handling and multiple app features
- Project URL (contains presentation): https://github.com/abid-siam/natural-cure-app

TECHNICAL SKILLS

Languages: Python, R, C, C++, Java, JavaScript (ES6), TypeScript, SQL, VBA for Excel
Frameworks: Flask, Node.js, Spring, Angular, Python sockets, Python Cryptography Programming
Software Tools: Linux, QEMU, VMware, Jira, Binary Ninja, Git/GitHub, Docker, Azure, AWS (DynamoDB, Kinesis, S3, EC2), NPM, Angular-CLI
Hardware Tools: AutoDesk Inventor, NI Multisim, Arduino, Rapid Prototyping with Ultimaker