Ian Sulley

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EDUCATION

Union College   Schenectady, NY
Bachelor of Science in Computer Engineering & Mathematics Double Major   Expected, June 2023
Seward Fellowship: Embedded Machine Learning
GPA: 3.54 / 4.00 | SAT: 1490 / 1600
Honors: 2020 Dean's List
Relevant Coursework: Advanced Topics: IoT, Advanced Topics: Evolutionary Computing, Big Data Analytics, Regression Analysis, Artificial Intelligence, Data Structures, Programming Design Principles, Circuits, Signals & Systems, Engineering Principles

Stuyvesant High School   New York, NY
Stuyvesant Endorsed Advanced Regents Diploma   June 2019

EXPERIENCE

iPACES LLC.   Schenectady, NY
Software Engineer   June 2021 – Present
- Assessed existing UI/UX elements and developed code to implement and support a seamless installation and setup process.

Acture Solutions   Schenectady, NY
Engineering Intern   June 2021 – Present
- Configured and installed network infrastructure, including Storage Area Networks, Network Switches, Firewalls, and Access Points.
- Assisted in sales engineering by developing recommended technical services for client projects with budgets exceeding 1 million dollars.
- Created technical setup, installation, and configuration procedure documentation for a variety of network infrastructure systems.

Allelo   Pittsburgh, PA
Full Stack Engineering Intern   August 2020 – January 2021
- Implemented RESTful APIs hosted in Docker AWS EC2 instances & authored API requests for propriety and third party cloud services.
- Developed platform-wide automated unit tests using Jest JavaScript testing framework & integrated testing with GitLab CI/ CD pipeline.
- Produced full-stack production Vue.js and Golang code utilizing Test Driven Development techniques and pre-deployment code reviews.

Kite and Rocket Research   New York, NY
Engineering Intern   November 2016 – August 2020
- Developed software in C/C++ and Circuit Python for Arduino micro-controller robotic systems with connection to custom web interface.
- Established data archival system and data management pipeline connecting local NAS to redundant cloud storage via Dropbox APIs.
- Assisted on full-stack website development and integrating WordPress content management system with cloud storage solutions.
- Employed Extract-Transform-Load (ETL) methodology for transportation of data from OLTP to OLAP AWS Redshift data warehouse.

Union College ITS Department   Schenectady, NY
Support Technician   September 2019 – June 2020
- Provided support for staff, faculty, and students for IT related issues, such as hardware repairs, software troubleshooting, and debugging.
- Worked in fast-paced call center environment to resolve service requests in a timely and professional manner.

Newscast Creative   New York, NY
Software Engineering Intern   June 2017 – August 2019
- Implemented and managed on-premise SQL database of client projects and assets. Established redundancy and cloud backup processes.
- Collaborated on website development (LAMP stack) and produced a new online equipment rental service utilizing WooCommerce API.

LEADERSHIP & ACTIVITIES

Union College IEEE Chapter   Schenectady, NY
Executive Team Member, Web Master   May 2021 – Present
Union College Academic Computing Liaison Committee   Schenectady, NY
Student Co-Chair   September 2020 – Present
- Reviewed college policies regarding technology solutions and use-cases with emphasis on issues involving data ethics and student privacy.

Union College ACM-W (Computer Science Club)   Schenectady, NY
Project Lead   June 2020 – Present
- Established initiative for collaborative software projects to serve the Union College community and provide mentorship to CS students.
- Led project that explored applying deep learning algorithms for Natural Language Processing utilizing Python machine learning libraries.

Union College E.O.N. (Entrepreneurship Club)   Schenectady, NY
Web Development Lead, Chief Ideation Officer & Treasurer   March 2020 – Present
- Organized development and deployment of web services pertaining to club events and projects.

SKILLS

Languages: Python, Java, JavaScript, R, C++, C, MATLAB, Go, Dart, SQL, HTML, CSS, JSON
Frameworks & Libraries: Pandas, Scikit-learn, NumPy, Vue.js, Matplotlib, DEAP, Jest
Industry Tools: AWS (Lambda, DynamoDB, API Gateway, Kinesis, IAM, S3, EC2, CloudWatch, RedShift), Google Cloud Platform (Compute Engine, Firestore), Docker, Git, Linux, MySQL, VSCode, Jira, Android SDK, Vim, JMP, Rstudio, Slurm