Colin Sather

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EDUCATION

Bachelor of Science, Computer Science, GPA: 3. xx   2018 - 2021
Stockton University | Galloway, New Jersey

Associate of Science Business Administration, GPA: 3. xx   2015 - 2017
Raritan Valley Community College | Bridgewater, New Jersey

EXPERIENCE

Contract Software Developer, Applied Research Associates | FAA   Oct. 2020 – Present
- Implemented FEAFAA Batch Controller, a modified desktop application designed to calculate 75,000+ finite element analyses via XML input files
- Ensured FEAFAA Batch Controller software delivered 11 terabytes of machine learning training data for a Federal Aviation Administration client
- Developed bulk file processing scripts using Python, PowerShell and Visual Basic to assist with various projects

Junior Systems Administrator, Applied Research Associates   Nov. 2019 - Present
- Solved technical problems such as authentication issues, access permission errors and networking problems, for New Jersey and Maryland ARA offices
- Configured 50 plus RSA hardware tokens and software clients to assist with multi-factor authentication efforts, for ARA's enterprise network
- Coordinated hardware and software purchasing for NJ and MD offices, always within or below their allocated budgets
- Maintained offsite backups of file servers and virtual machines in preparation for emergency situations

Lifeline Assistant, Stockton University Senior Capstone Project   Jan. – May 2020
- Collaborated with a team to design, build, and present an improved web services for Assurance Wireless
- Accepted and implemented feedback suggested by one of Assurance Wireless's technical leads
- Managed deployments on to the team's AWS Red Hat EC2 server and ensured our database and web services were demo ready

SKILLS

- **Programming:** Python, Java, PHP, JavaScript, Visual Basic
- **Tools:** MYSQL, Git/GitHub, AWS, Linode Cloud VPS, Apache Web Server, Django ORM, React JS
- **Infrastructure:** Active Directory, computer networking, PowerShell scripting, Linux shell scripting, virtualization, Docker, Debian, and CentOS Linux
- **Additional Skills:** Agile methodologies, Microsoft Office (including MS Project)

TECHNICAL PROJECTS

SCTMS – Open-Source Content & Task Management System   Mar 2020 – Sept 2020
- Developed a full stack web application including database development, server-side programming, frontend development and Debian Linux web server administration (Live website: https://swoop.team)
- Utilized python email libraries to send automated email reminders to members of a given project to help team members stay on schedule

IoT Trivia Game – Personal Project   April 2021
- Collaborated with a small team of developers to create a unique raspberry pi embedded system, the device delivers a mild electric shock to users who fail to answer trivia questions correctly
- Designed the hardware and integrated python server-side scripts to control API data, GPIO pins and business logic