

Adam Forestier

520 West Crocker Ave
Big Pine, CA 93513

(217)-414-1380
aforestier10@gmail.com

Education Missouri University of Science and Technology (S&T) December 2019
Major: Information Science and Technology GPA: 3.84
Minors: Business (AACSB Accredited), Enterprise Resource Planning

Experience

Yosemite National Park Ranger (40 hr) April 2022 – October 2022; Yosemite National Park

- Performed trailwork to eliminate social trails and protect against erosion
- Patrolled trails providing guests with park information, assisting with trail directions, monitoring for medical issues, and interacting with children
- Performed interpretive duties to the public at Mariposa Grove
- Completed Search and Rescue Training and obtained status as SAR-T2 technician
- Assisted in the evacuation of visitors and staff during the Washburn Fire
- Effectively operated and communicated via a Yosemite National Park radio over the park's channels

Keysight Technologies Level II Software Engineer (40 hr) August 2021 – September 2021; Remote

- Worked on upgrading legacy customer-facing product from scratch
- Performed research to determine best technology stack for the project upgrade
- Applied technical competence and oral communication skills to interpret requests from product stakeholders to the development team
- Utilized written communication skills to document product feature requests from key stakeholders
- Planned, strategized, and implemented AWS solution for the US government from existing Keysight Product, involving cross-collaborating with team in Penang, Malaysia
- Researched differences between enterprise and government AWS solutions
- Used interpersonal skills to develop working relationships and effective communication patterns between multiple hierarchy levels and between employees from multiple countries including England, India, Malaysia, and Romania

Keysight Technologies Software Engineer (40 hr) January 2020 – August 2021; Colorado Springs, CO

- Utilized technical competence to create full stack web django application to facilitate automation of communications across the entire Keysight company and ease internal customer service bottlenecks
- Used interpersonal skills to mentor and provide leadership for summer interns
- Wrote backend capabilities for the web application that tracks all of Keysight employee's computer hardware data and controls the ability to send automated, customized native client mailers and emails to employees needing to upgrade to a new device and return their existing one
- Wrote email functionality to automate communication regarding company computers
- Wrote the front end of a user facing portal for the tool using Bootstrap in which the employee can view their order status for new PC, their current standing in the lease agreement, and update their personal notification preferences
- Wrote backend capabilities to accurately populate the user facing portal with user specific data, preferences, and information pulling from a Postgresql database
- Visualized how employees interacted with the product my team wrote by aggregating data we collected from user interactions and creating interactive graphs integrated into the project's Django admin portal using Plotly, Pandas, and Python
- Utilized Cherwell's API to read and pull data into our asset management tool
- Automated running of functions based on desire schedule of server tasks to be performed using Celery
- Tested the web backend's URLs, Views, and Models by writing unit tests using Python's unittest and Django's testing libraries

- Utilized Docker for containerization of project
- Managed code versioning and collaboration through Bitbucket and Git
- Practiced Agile principles and worked as part of a SCRUM team
- Utilized written communication skills to document product feature requests from key stakeholders

Boeing PM/Developer Intern (40 hr)

May 2019 – August 2019; Renton, WA

- Created reusable framework iOS framework to authenticate users via AviationID saving Boeing iOS teams one month or more development time
- Wrote Python scripts using the Plotly library to enable sharing of analytic data with Boeing clients, while not sharing any Boeing proprietary data
- Developed an iOS application that models a 3D Boeing 737 Max airplane; split into different clickable components, allowing customers to click on a section of the plane to view passing and failing segments of the plane
- Managed devOps aspects of intern and current team Emerging Tech projects
- Use written communication skills to author multiple business case documents to obtain funding for team project ideas

GoGetter Front-End Developer/Design Intern (20hr) November 2018 – December 2018; Rolla, MO

- Used interpersonal skills to work closely with the CEO to provide advice on web development, and new pages
- Created new front end web pages using HTML, CSS, and Semantic UI framework
- Rewrote sections of the UI to improve user experience

Boeing Software Developer & Analyst Intern (40 hr) May 2018 – October 2018, Seattle, WA; Rolla, MO

- Coded multiple Portlets for the Supply Chain Information Portal web application that provided valuable information to Boeing's internal indirect supply chain team using C# and the .Net Framework
- Used broad technical competence to work on multiple projects for 3 different teams during my internship
- Using database administration knowledge, wrote Microsoft SQL Server stored procedures to automatically email supply chain employees alerts
- Reworked UI for supplier contact information web application using HTML, CSS, and Bootstrap
- Increased information security of two existing web applications by eliminating cross-site scripting opportunities and SQL injection entry points
- Used interpersonal and oral communication skills to increase network widely during internship and find new projects to work on

Missouri S&T Center for ERP Research Assistant (15 hr) November 2017 – February 2018, Rolla, MO

- Analyzed and predicted student academic success on personality assessment traits
- Cleansed and manipulated data using R
- Created a Data Warehouse with proprietary data in SAP HANA Studio
- Utilized clustering predictive methods in SAP Predictive Analytics
- Communicated research findings and interpreted results to professors

KPMG IT Management and Operations Intern (40 hr)

June 2017 – August 2017, St. Louis, MO

- Assisted in monthly reporting and quarterly forecasting of software and hardware assets
- Designed and implemented contract realization and optimization reports with Vendor Management
- Generated reports with Qlikview and Excel data visualization tools

Technical Competence

Programming Languages: Python, Python3, C#, C++, JavaScript, NodeJS, SQL, HTML, CSS, R

Databases: Postgresql, Oracle, SQL Server, MySQL, MongoDB, Database Administration

Web Development Frameworks: Django, Express, Bootstrap, Semantic UI

Data Analysis: Pandas, NumPy, Plotly, Seaborn, Matplotlib, Microsoft PowerBi, Microsoft Excel, SAP

BusinessObjects, Linear Regression

Software Developer Tools: Linux, Git, GitHub, Gitlab, Git Bash, Jupyter Notebook, VS Code, XCode, Visual Studio, RStudio, Jira, Bitbucket

Other Tools: Microsoft Office, Wordpress.com, SAP ECC 6.0, SAP HANA Studio, SAP Predictive Analytics

Honors and Activities: Summa Cum Laude, 2 time Max C. Weiner Endowed Scholarship recipient, collegiate athlete (soccer)

Certifications: Certified SCRUM Developer: Issued by SCRUM Alliance, SAP Certificate of Excellence, Wilderness First Responder, CPR (Adult, Child, Infant), Avalanche 1, Epinephrine Auto Injector