

## Adam Forestier

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**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
- Screened visitors at South Entrance gate to ensure they had a proper reservation to enter the park while the park's peak hours reservation system was in place
- Provided preventative search and rescue services to visitors
- Safely operated a government vehicle during each work shift
- Managed inflow and outflow of traffic
- Cleaned litter from Mariposa Grove trails and parking areas

*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 desired 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
- Self Employed - Landscaping and Land Mowing: (15 hr)* May 2015 – Aug 2015, May 2016 - Aug 2016
- Gathered and retained my own customer base
  - Provided lawncare and landscaping services
  - Gained landscaping experiencing and yard maintenance skills
  - Communicated times and service and fees to customers
- Sno biz Customer Service Provider (20 hr)* May 2014 – August 2014, Springfield, IL
- Handled multiple tasks simultaneously as the sole employee working during my shifts
  - Managed daily finances and store inventory
  - Communicated with customers and serviced their requests
  - Created snow cones to sell to customer, as well as re-mixed and remade exhausted syrups
- Lutheran High School Summer Camp Counselor (10 hr)* May 2013 – August 2013, Springfield, IL
- Managed and entertained multiple children simultaneously
  - Used oral communication and interpersonal skills to communicate with children of multiple age groups
- Farm Hand (hours varied weekly)* Intermittent through Life, Springfield, IL
- Worked in many different many hats working on the family farm including but not limited too: painting tall structures, carrying heavy objects, managing large animals, and fencing
  - Gained experience performing manual labor during extreme temperatures; both hot and cold
  - Operated complex motor vehicles effectively and safely
  - Assisted in feeding and transporting live animals

## Technical Competence and Technology Application

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

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

*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, VS Code, XCode, Visual Studio, RStudio, Jira, Bitbucket

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

Typing: 75 words per minute

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

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

**Labor Skills:** Landscaping, trailwork, trail maintenance, lawn care, painting, farmwork, heavy lifting, backpacking, fencing hot temperatures, cold temperatures

**Leadership Experience:** Keysight Intern Mentor, Chancellor's Leadership Academy Participant at Missouri S&T, 2 time varsity soccer captain, 1 time varsity basketball captain