

Adam Forestier

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Education Missouri University of Science and Technology (S&T)
Major: Information Science and Technology
Minors: ERP, Business (AACSB Accredited)

December 2019
GPA: 3.84

Experience

Keysight Technologies Full Stack Software Engineer January 2020 – Present; Colorado Springs, CO

- Created full stack web django application to facilitate automation of communications across the entire Keysight company
- 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
- Worked in conjunction with fellow developer to create a C# native Windows client to send messages company-wide to targeted individuals
- Wrote email functionality to perform similar functionality as the Windows client using Django's email module
- 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

Boeing PM/Developer Intern

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
- Authored multiple business case documents to obtain funding for team project ideas

GoGetter Front-End Developer/Design Intern

November 2018 – December 2018; Rolla, MO

- Worked closely with the CEO to provide improvements, advice on web development, and new views
- Created new views using HTML, CSS, and Semantic UI framework
- Rewrote sections of the UI to improve user experience

- Boeing Software Developer & Analyst Intern* 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
 - 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

- Missouri S&T Center for ERP Research Assistant* November 2017 – February 2018, Rolla, MO
- Analyzed and predicted student academic success on personality assessment traits
 - Cleansed and manipulated data using R
 - Created a small data warehouse with information in SAP HANA Studio
 - Utilized clustering predictive methods in SAP Predictive Analytics

- KPMG IT Management and Operations Intern:* 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 Skills:

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

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

Frameworks: Django, Express, Bootstrap, Semantic UI

Developer Tools: Linux, Git, GitHub, Gitlab, Wordpress.com, Git Bash, VS Code, XCode, Visual Studio, RStudio, Jira, Bitbucket

Other Tools: SAP ECC 6.0, SAP HANA Studio, SAP Predictive Analytics, Microsoft Excel