Samuel Courtney

samuelacourtney@gmail.com | 630.770.9601

Education

The University of Alabama, *Honors College*   *December 2020*
Bachelor of Science in Electrical and Computer Engineering   *GPA: 3.96/4.0, Presidents List*

Experience

United Airlines, Inc., *Chicago, IL*   *January 2021 - September 2021*
ECDLP Associate – Machine Learning Engineer
- Created the first AWS integrated gRPC API for United's customer personalization engine in Python, Go.
- Front-end leader of a team that designed and created a POC solution for United's Cargo Truck Docking. Created mock prototypes in Figma, developed front-end in React Native (JavaScript), HTML, CSS.

ECDLP Associate – IT Project Manager, Loyalty
- Overall Project Manager for the largest departmental AWS migration effort at United.
- Migrated 53 legacy applications and microservices working with ~30 cross-functional teams including but not limited to contractors, Cloud Engineering, NetOps, DevOps, Sr. Managers, Managing Directors, and Amazon with an overall implementation "United Best Practices" score of 96% for all application in our EKS cluster.
- Reworked an extensive project plan to meet goal driven AWS deliverables, enabling cross-functional collaboration
- Innovated solutions to create efficient resource utilization infrastructure, decrease application time to production enabling methods such as CI/CD pipelines, automated code scans, etc. and producing a "Migration Checklist" for United to utilize.

United Airlines, Inc., *Chicago, IL*   *May 2019 - August 2019*
Intern – IT Project Manager
- Overall Project Manager for Employee and Enterprise Systems Texting Platform (ESTP).
- Proposed to management and influenced shareholders that United needed a better vehicle to drive communication to our 90,000+ employees and proposed a multifaceted solution that was backed by employee informational data, current and future communication trends, and user acceptance.

United Airlines, Inc., *Chicago, IL*   *August 2018 - December 2018*
- Collaborated with IT to address current problems in CMS/CCS/uCrew and reported issues based on impact in TFS.
- Administrator of the Inflight Scheduling Operations ServiceNow Knowledgebase
- Conducted +150 tests within CMS and uCrew software to address system problems not in compliance with JCBA.
- Built approximately 200 Flight Attendant testing scenarios for analysts to test business software logic.
- Created a User Help Guide for one of United's Inflight Scheduling Software (uCrew).

GE Appliances, a Haier Company, *Decatur, AL*   *January 2018 - May 2018*
Intern – Information Technology
- Developed inventory application in C# for the IT Department that saved company an estimation of $50,000.
- Managed/Troubleshot problems with legacy systems in Java, C, C++, and Visual Basic.
- Created data information screens for Decatur's plant in GE Proficy/Cimplicity.
- Utilized AWS for item data analytics and software development in plant wide systems.
- Improved genealogy process working with PLC's to implement on item detection with scanners

Job Cost Inc., *Naperville, IL*   *May 2017 - August 2017*
Intern – Information Technology
- Implemented code in Java, C#, and Python that improved the functionality of the company's accounting software.
- Discussed IT solutions with ≈ 20 clients and worked with sales to provide the customers with company product.
- Upgraded client's cloud storage systems, DHCP Servers, and provided knowledge with server configurations

Skills

Methodology
Project Management Life Cycle (PMLC, SDLC), Agile, JIRA, Confluence, Traditional Waterfall, AD-HOC
Coding
Git, HTML5, CSS, REST APIs, gRPC, JavaScript, C, C++, C#, Python, React Native, Bootstrap, Go, Visual Basic, UNIX/Linux
Database
Database Administration, AWS, Microsoft Access, SQL, mySQL
Hardware
PLC's, Routers and Switches, Vision Systems, VOIP Phones, Cisco Routers, Hardware Troubleshooting, OPC Servers, IPv4, IPv6, DNS, DHCP
Microsoft
Windows Server (2012, 2016), Active Directory, Microsoft Cloud Services, Back-up Management, Microsoft Office, Microsoft PowerPoint, Microsoft Visio
Software
CCS, uCrew, CMS (COSMOS), TFS, GE Proficy/Cimplicity, Solidworks/AutoCAD, Mac OSX, Quartus Prime II, Pspice Circuit Analysis, Multisym, Figma, inVision

Volunteer Work

YoungLife Christian Leadership Group, *Volunteer*
- Assisted with infrastructure improvements to curriculum
- Helped lead worship team and provided mentorship to kids ranging from 5th grade – 8th grade

Hobbies & Interests

- Music Creation (Including different audio software such as Ableton Live and Logic Pro X), Chess, Rock Climbing, Tennis, Ping-Pong, Golf, Coding, Arduino Projects, Video Gaming, Pop culture, Equal Activist, Flying, Quantum Physics, Day Trading