

Colby L. Sawyer

<http://colby-sawyer.com>



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Objective:

A diligent professional seeking full-time employment with a high growth company that will allow me to showcase both my academic and practical experience in software development and maintenance. A published academic, who has become proficient in time management, team communication, customer experience and change management. Experienced in technical writing and maintaining software from inception to realization. I possess an ability to quickly adapt to situations requiring high degrees of accuracy and competing demands.

Skills:

- **Technology proficient** (Software, Hardware, Bash/Shell, Citrix Workspace, VMware)
- **Programming Language proficient** (Python, Java, C+, CSS, HTML5, SAS, JavaScript, Kotlin, Swift, Prolog, Haskell)
- **Cloud-based Workflow experience** (Github, Jira, Git, Kanban)
- **Application Tool/API Integration experience** (Google Firebase)
- **Workflow Management Framework proficient** (AGILE/Scrum)
- **Database Creation and Management experience** (SQL, SQLite, MS Access, Firestore)
- **IoT/Virtualization/Container experience** (Balena, Docker, Kubernetes)
- **Operating System proficient** (Windows, Mac, Linux, Raspbian, BalenaOS, RHEL)
- **IaaS experience:** (Google Cloud Compute Engine & Persistent Disk, OpenStack)
- **Microsoft Office proficient** (Excel, Word, PowerPoint, Outlook)

Work Experience:

Software Engineer - Intern

November 2020 - Current

Maverick Solutions – Wake Forest, NC

- Developed and modified **customer-facing** web applications for an Oracle learning platform.
- Worked constantly within **entire business organization** and team to develop new innovative solutions.
- **Documented** and heavily **tested** existing and new portions of the codebase.

Application Support & Development Internship

Summer 2020

8 Week Program, – First Citizens Bank – Raleigh, NC

- Created a **new database search tool**, with **user interface**, facilitating the collection and organization of various business unit **Server-to-Application** connections. (MS Access, SQLite)
- Documented creation process and **change management** plans for newly created tool.
- Provided support for various **customer support** issues

Academic Research - Multidisciplinary(ITCS/CS)

August 2019 – Current

*Dr. Ciprian Popoviciu - East Carolina University - Greenville, NC

- Designed, with several other researchers, a collection of small computing modules mounted to Cisco WebEx technology monitoring network connectivity issues; in the hopes of preventing/mitigating downtime for IT lacking areas.
- **Designed, implemented and managed website** for the display of team's activities to the public and other web-based interfaces to provide a **portal** and **dashboard** displaying **machine learning** data.
- Handled set-up of various **physical and virtual labs**. (Physical Network devices, Raspberry Pi units, Container-based images (Ubuntu)).
- Contributed to academic publications using various written and graphical data.

<https://pi-pirates-ecu.github.io/PI-Pirates-Site/>

<https://cpopoviciu.github.io/BRIDGES/>

Engineering Internship

Summer 2017, 2018 & 2019

10-12 Week Program, – Dominion Energy - Elizabeth City, NC

- Determined facility design for material, time and cost estimates for the construction and maintenance of residential electrical constructions; as well as relocation of distribution facilities maintaining **company and legal constraints**.
- Maintained constant **communication with customers** to provide timely and satisfactory service.

Customer Service & Main Office Assistant

January 2018 – January 2020

Campus Recreation and Wellness Center - East Carolina University - Greenville, NC

- Communicated with customers in person and via telephone; directing them to appropriate areas of the facility, as well as, permitting access to the facility and providing support for various point-of-sale transactions.
- Used critical thinking skills to handle situations or conflicts that arise and communicate with other staff to resolve any issues

Entrepreneurship:

Freelance Software Developer

January 2020 – Current

Greenville, NC

- Created and sold a **customer-facing** form iOS application that uses customer entered data to alert, based on customers inputted location, the correct agent to complete the transaction.
- Mobile application was well **documented** and **debugged** (including documentation) for further development.
- Created various **public sites** showcasing basic information (prices, contacts, location) for local small businesses.

Publications:

Sawyer, Colby Lee. 2020. *Deploying a Network Management Overlay for Education Video Conferencing Services*. 2020 ASEE Virtual Annual Conference. <https://www.asee.org/public/conferences/172/papers/29604/view>

Sawyer, Colby Lee. 2020. *A Multidisciplinary Project: Deploying Edge Computing to Augment Endpoint Functionality*. 2020 ASEE Virtual Annual Conference. <https://www.asee.org/public/conferences/172/papers/29638/view>

Education:

Bachelor of Science - Computer Science
w/Minor - General Business Administration
East Carolina University Greenville, NC
Fall 2017- Spring 2021
3.0/4.0 GPA

Associate of Science- General Education
College of the Albemarle Elizabeth City, NC 2016-2017
3.8/4.0 GPA

*Dr. Ciprian Popoviciu: Assistant Professor – East Carolina University– Academic Research Lead:

Currently an Assistant Professor at East Carolina University, Dr. Ciprian Popoviciu is also the president and CEO of Nephos6, the Cloud and IPv6 company. Nephos6 is the first company to enable OpenStack for IPv6 and deploy the first IPv6 only OpenStack cloud in production. Dr. Popoviciu has over 17 years of experience working in various technical and leadership roles. He is an industry recognized domain expert in IPv6 who, over the past 10 years worked on the strategy, architecture, implementation and validation of IPv6 adoption by large service providers and enterprises Worldwide. Ciprian worked with various governments on defining national level and agency level IPv6 strategies and standards. He also worked with product and test teams on specific IPv6 features and roadmaps towards IPv6 readiness. Ciprian authored two IPv6 books: “Deploying IPv6 Networks” and “Global IPv6 Strategies”. He co-authored 5 IPv6 related IETF RFCs and multiple IPv6 related patents. Ciprian is an IPv6 Forum Fellow and a Cisco Champion. He is a frequent speaker at industry events and conferences and he is an active contributor to various technology and scientific publications. https://cet.ecu.edu/techsystems/about-us/faculty-and-staff/dr_ciprian_popoviciu/