

Kyle Coleman

colemank95@gmail.com

kylecoleman.dev

Address and phone number removed for this publicly accessible resume. Feel free to contact me for my official resume.

EDUCATION

Saint Louis University, St. Louis, Missouri, USA

- BA in Computer Science
- Cumulative GPA: 3.20 / 4.00

Aug 2014 – May 2018

WORK EXPERIENCE

Enterprise Fleet Management - Affiliate of Enterprise Holdings, St. Louis, Missouri, USA

- Software Engineer, Full Stack
- Uses technical knowledge of professional concepts to solve business problems
- Evaluating elements of technology's effectiveness through requirements gathering, testing, research and investigation and make recommendations for improvements that result in increased quality and effectiveness
- Develops detailed software design, develops code with unit tests, refactoring, correcting flaws based on requirements testing, and integrating with existing applications.
- Subject matter expert in EDGE, Enterprise Fleet Management's main business application, and FLITE, an insurance tracking environment.
- Primary Development Technologies:
 - Java 1.7 and 1.8
 - Java Frameworks including Spring-boot and JUnit
 - Javascript and JSP
 - Angular
 - Weblogic
 - XML, HTML, and CSS
 - SQL and Oracle Database Technologies

Jul 2018 – Present

Saint Louis University, St. Louis, Missouri, USA

- Undergraduate Research Student, Dept. of Computer Science
- Investigate and conduct research in various fields of computer science including networking and serverless computing.
- Published one paper and presented at a conference
- Work focuses on optimizing load-balancing in a serverless computing system
- Intern Service Desk Analyst, Information Technology Services
- Provide support for software, hardware, and email to faculty and staff.
- Communicate with faculty and staff to diagnose and address technical problems.

Aug 2017 – May 2018

Jan 2016 – May 2018

University of Missouri, Columbia, Missouri, USA

- REU Undergraduate Research Student, Dept. of Computer Science
- Conduct research with a group of undergraduate researchers
- Published one paper to a workshop and presented in Oct. 2017
- Work focused on an edge-network offloading scheme utilizing a novel approach titled "Hyper-profile based offloading"

May 2017 – Aug 2017

RESEARCH EXPERIENCE AND PROJECTS

Department of Computer Science, Saint Louis University

- Undergraduate Research and Senior Capstone Project
- Project: Development of a Multi-User Virtual Reality Environment (MUVRE) for Intuitive Drone Operations
- Supervisors: Prof. David Ferry and Dr. Srikanth Gururajan
- Focus: Integrated systems, networked systems, drone control, virtual reality.
- Undergraduate Research
- Project: Speeding up Children Reunification in Disaster Scenarios via Serverless Computing
- Supervisors: Prof. Flavio Esposito
- Focus: Serverless computing, networking.
- Undergraduate Research
- Project: Load balancing in a Serverless Platform
- Supervisors: Prof. Flavio Esposito
- Focus: Serverless computing, networking, load balancing, optimization.

Aug 2017 – May 2018

Aug 2017 – May 2018

Aug 2017 – May 2018

Department of Computer Science, University of Missouri

- NSF-REU Undergraduate Research
- Project: Hyperprofile-based Computation Offloading for Mobile Edge Networks
- Supervisors: Prof. Prasad Calyam and Prof. Flavio Esposito
- Focus: Networking architecture, Knowledge-defined-networking, cloud, k-Nearest-Neighbors, computation offloading, edge networks

May 2017 – Aug 2017

PUBLICATIONS	<ul style="list-style-type: none"> ▪ A. Crutcher, C. Koch, K. Coleman, J. Patman, F. Esposito, and P. Callyam “Hyperprofile-based Computation Offloading for Mobile Edge Networks,” in <i>The Fourth National Workshop for REU Research in Networking and Systems</i>, Orlando, Florida, USA, Oct 2017. ▪ K. Coleman, F. Esposito, R. Charney “Speeding up Children Reunification in Disaster Scenarios via Serverless Computing,” in <i>The Second International Workshop on Serverless Computing (WoSC)</i>, Las Vegas, Nevada, USA, Dec 2017. ▪ K. Coleman, S. Gururajan, D. Ferry “Submitted for Initial Review: Development of a Multi-User Virtual Reality Environment (MUVRE) for Intuitive Drone Operations,” in <i>AIAA AVIATION Forum</i>, Atlanta, Georgia, USA, Jun 2018. 	
AWARDS & SCHOLARSHIPS	<ul style="list-style-type: none"> ▪ Dean’s List, Spring 2017, Saint Louis University For attaining a semester GPA of at least 3.70. ▪ National Science Foundation, Research Experience for Undergraduates Grant Recipient, University of Missouri For academic excellence and an interest in academic research. 	2017 Mar 2017
PROFESSIONAL AFFILIATIONS & ACTIVITIES	<p>Laclede’s Lan Non-Profit St. Louis, Missouri, USA</p> <ul style="list-style-type: none"> ▪ Developer <ul style="list-style-type: none"> • Development of automation tools for Docker. • Development of web-based tools in TypeScript and Angular. ▪ Administrator <ul style="list-style-type: none"> • Overseeing tournament server administration. • Maintaining logs of various tournament/match outcomes. <p>University of Missouri Undergraduate Research in Consumer Networking Technologies REU Site Columbia, Missouri, USA</p> <ul style="list-style-type: none"> ▪ Undergraduate Researcher <ul style="list-style-type: none"> • Research in computer networking technologies including cloud networking, computation offloading, knowledge-defined networking, and edge networks. • Resulted in a publication and presentation. 	2015 – Present 2016– Present 2015 – Present May 2017 – Aug 2017
CAMPUS ACTIVITIES	<p>Mathematics and Computer Science Club, Saint Louis University</p> <ul style="list-style-type: none"> ▪ Member <ul style="list-style-type: none"> • Participant in general club activities. 	Aug 2014 – May 2018 –
LANGUAGES	<ul style="list-style-type: none"> ▪ English: Native language. ▪ German: Intermediate (reading); basic (speaking, writing). 	
SKILLS	Java, JSP, Javascript, HTML/CSS, Weblogic, XML, Python, C, C++, TypeScript, Angular, Bash, R, Unix-like Systems, Network simulation tools (ns-3), Git, Docker, Android Studio, L ^A T _E X	
REFERENCES AVAILABLE UPON REQUEST		[CV updated on 2019-07-31]