

EMILY BLACK

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SKILLS | Java, C++, HTML/XML, Python, SQL, Git, JavaScript, CSS

EXPERIENCE | **UNDERGRADUATE TEACHING ASSISTANT, OU**

AUG. 2018 – DEC. 2018

SOFTWARE DEVELOPMENT INTERN, IBM

MAY 2018 – PRESENT

- Interned in the IBM CIO's office in the Identity and Access Management domain, developing tooling and automation to aid in self-service registration for SSO.
- Developed a micro services replacement to a monolithic application that enables applications owners to self-register applications supporting OIDC and SAML.

VIRTUALIZATION ENGINEER INTERN, VERIZON

JUNE 2017 – AUG. 2017

- Worked with an internal virtual acceleration team to create and manage Windows/Red Hat Linux servers on virtual machines for clients using vSphere.
- Completed a certified two-day course that gave hands on VMware experience.
- Participated in Verizon's company-wide intern hackathon. My team placed 1st, and our idea is currently being filed as a patent.

UNDERGRADUATE RESEARCH ASSISTANT, THE UNIVERSITY OF OKLAHOMA

AUG. 2016 – DEC. 2016

- Maintained an application called Transit Assistant (TA) that assists ODOT agencies around the state to perform taxi services.
- Improved the backend by modifying C# classes and fixing bugs for the desktop application.
- Transitioned TA to follow the MVVM standard by refactoring the XAML and C# files.

SOFTWARE ENGINEER INTERN, VERIZON

JUNE 2016 – AUG. 2016

- Worked on an internal application in HTML/JavaScript under Verizon's enterprise level framework, Coffee Anywhere, which is used by thousands of internal users.
- Improved efficiency of existing code and fixed bugs.
- Ported application completely to bootstrap.

INFORMATION TECHNOLOGY CONCIERGE, THE UNIVERSITY OF OKLAHOMA

AUG. 2015 – DEC. 2015

EDUCATION | **THE UNIVERSITY OF OKLAHOMA, COMPUTER SCIENCE**

AUG. 2014 – DEC. 2018

- Dean's Honor Roll (2014, 2017, 2018), Josh Lee Speech Competition (1st), Association for Women in Computing, Jerry Holmes Leadership Program for Engineers & Scientists, Software Studio, OU E-Sports Association.