

# KYLE YOHLER

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## WORK EXPERIENCE

### EXXON MOBIL CORPORATION

July 2020 - Present

*Full-Stack Developer*

Houston, TX

- Lead developer for proprietary application that integrates with ArcGIS maps and features to provide geolocation based search and analytics. Full-stack project with Angular, Typescript, a .NET Core API for user management, and a Python search API hosted on OpenShift.
- Lead developer and maintainer of React.js implementation of company-branded design system used in hundreds of internal applications.
- Develop and maintain content distribution system with social engagement and collaboration features. Full-stack project with Angular, Typescript and a .NET Core API hosted on Azure.
- Led evolving source-control strategy by migrating repositories, work items, CI/CD solutions and package distribution to GitHub Enterprise for select internally open-sourced applications.
- Mentoring whole teams and individual developers on general React.js development alongside internal tools.

### INDIANA UNIVERSITY SCHOOL OF INFORMATICS, COMPUTING, AND ENGINEERING

August 2017 - May 2020

*Associate Instructor*

Bloomington, IN

- Developed an online autograding system with heavy focus on teaching basics of git, CI/CD and DevOps to students as they submit assignments. Developed with React.js and Python, hosted securely on university-owned Linux VM and responsible for monitoring, tracking and grading student assignments.
- Managed self-developed autograder for introductory AI course and core CS course for data structures and algorithms. Autograder is still in use as of Spring 2021 semester.
- Head associate instructor for AI course with heavy Python programming components, lead collaboration between team of instructors.

### INDIANA SECRETARY OF STATE'S OFFICE

May 2017 - January 2020

*Full-Stack Developer*

Indianapolis, IN

- Worked on modernizing the front-end look of older ASP.NET web applications.
- Implemented changes to the back-end of an application used by hundreds of state officials such as an administrative dashboard, digital payment processes, automated usage reports, etc.
- Managed large databases with critical data used by the Secretary's business, auto dealer and elections divisions.
- Worked remotely in order to deliver updates to key projects.

### EXXON MOBIL CORPORATION

May 2019 - August 2019

*Software Developer Intern*

Houston, TX

- Contributed to service-oriented architecture based solutions in large-scale, competitive insight application.
- Create and maintain cloud-based APIs using MuleSoft, ensured integrity of critical data.
- Worked with developers around the company in order to deliver onboarding materials, DevOps tutorials and brand styling tools.
- Co-lead community of React developers and gave tech demo on new library features.

### EXXON MOBIL CORPORATION

May 2018 - August 2018

*Software Developer Intern*

Houston, TX

- Worked on rewriting large web application used by business line to manage employees and contractors.
- Applied full-stack web development skills in order to develop a Web API using .NET Core and a modern front-end using React.js.
- Exercised user-centered design practices to improve user performance.

### INDIANA UNIVERSITY SCHOOL OF INFORMATICS, COMPUTING, AND ENGINEERING

August 2016 - August 2017

*Research Intern*

Bloomington, IN

- Developed Twitter bot that would automatically produce complicated network graphs and publish them to Twitter.
- Handled large-scale data from social media, analyzed trends and patterns during a key moment in the growth of social media.

## EDUCATION

### INDIANA UNIVERSITY

Bloomington, IN

*Masters of Science in Computer Science*

May 2020

*Bachelors of Science in Computer Science*

May 2019

- Minors: Informatics, Human-Centered Computing and Mathematics

## TECHNICAL INTERESTS

#### Programming Languages

Python, JavaScript, TypeScript, Java, C, C#, and Rust.

#### Front-End Skills

React.js, Angular, CSS, and Modern Design Systems.

#### Back-End Skills

Flask, FastApi, NodeJS, .NET Core, EF Core and API Development

#### Operations

DevOps, Agile Software Development, CI/CD, Git

#### Miscellaneous

Azure, OpenShift, Docker, GraphQL, SQL, PostgreSQL