KYLE MCCAFFERY
Software Engineer
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EDUCATION
Western Washington University, BS   Grad. 2019
   Computer Science Major, Mathematics & Psychology Minors

EXPERIENCE
Liberty Mutual | Front-End Software Engineer   2022-Present
   Key contributor to the agents' main user interface. React, TypeScript, GraphQL, and Jest.

Doosan GridTech | Front-End Software Engineer   2019-2022
   Key contributor to the main customer-facing UI. Built a React Native application to control a
   Distributed Energy Resource Optimizer (DERO) system using TypeScript, and PWA technologies,
   which communicated to a C# backend via GraphQL API calls.
   Utilizing Git and Azure DevOps for version control, and Docker containerization for scalability.

Western Region, BSA | Software Developer, Volunteer   2016-2018
   Led a team of 10 volunteers to build and maintain a membership database, written in MySQL and
   PHP, which interfaced with MailChimp, WordPress, and SharePoint to show rosters and send
   marketing materials, communicating over JSON, and AJAX. For management and authentication, it
   interfaced with Azure Active Directory. We used Slack, JIRA, Git, and Zoom to coordinate team
   members and maintain the project timeline.

Freelance | Web Designer   2015-2019

PROJECTS
Intel HackOA - 1st Place Winning Team   Oct. 2017
   Led a team of four to develop a program in C which reduced the amount of https packets and
   bandwidth necessary to serve websites via localized caching.

WWU ACM Hackathon - 1st Place Winning Team   Nov. 2017
   Led the development team of four which built a PHP/MySQL website for students to connect with
   mentors and collaborate on projects/assignments.

Skygenda - Flight Scheduling Software   2018-2019
   Built a Progressive Web App (PWA) scheduling website using NodeJS, Express, Vuex, and Bulma,
   which allows Civil Air Patrol pilots and cadets to enter and find matching availability.

ORGANIZATIONS
Association for Computing Machinery (ACM)   2016-2020
Collegiate Cyber Defense Club   2015-2020
WWU Artificial Intelligence Association   2017-2019
WWU Formula SAE Racing Engineering Team   2018-2019

COMMUNITY
Civil Air Patrol   2019-Present
Eagle Scout, BSA Troop 4006   Awarded 2015
American Red Cross Community Response Hero - saved a classmate from drowning   Awarded 2011