KYLE MCCAFFERY

Software Engineer
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EDUCATION

Western Washington University, BS   Grad. 2019
  Computer Science Major, Mathematics & Psychology Minors

EXPERIENCE

Doosan GridTech | Front-End Software Engineer   2019-Present
  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.
  This fully-remote position required coordinating via Microsoft Teams, with stakeholders across
  multiple continents to ensure an agile development cycle with continuous deployment for maximum
  client input on the system design.
  It utilized 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