John Bucher

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Work Experience

Lockheed Martin, Littleton, CO *July 2018 – Present*
Senior Software Engineer, *2022 – Present*
Software Engineer, *2020 - 2022*
Associate Software Engineer, *2018 – 2020*

- Design, develop, and maintain web-based applications used by various agencies of the US Government.
- Act as Scrum Master of a development team. As an SM: help to schedule and coordinate tasks, facilitate developers towards task completion, and collaborate with various cross-functional stakeholders across Lockheed Martin, subcontractors, and the US Government.
- Work across the applications' Full-Stack to implement fixes and features, utilizing a variety of technologies and frameworks such as Angular, React, Java, Spring, SQL, Elasticsearch, and AWS among others.
- Lead, perform, and communicate important dependency and baseline upgrades to ensure transition ease and effectiveness.
- Perform continuous learning on technologies and systems as needs arise.

Computer Aid, Inc., Harrisburg, PA *May 2017 – August 2017*
Software Development Intern

- Designed, created, and maintained relational databases and web-based applications such as E-commerce websites.
- Inspected, documented, and aided in the knowledge transfer process of professional Computer Aid, Inc. applications through interviews and collaborations with the developer teams.

Education/Skills

University of Colorado Boulder, Boulder, CO *January 2021 - Present*
Degree: Master of Engineering, Major: Engineering Management; GPA: 4.0 / 4.0 index

- Learning valuable project management and leadership skills such as: effective communication, stakeholder management, enabling self-starting teams, project and quality management, statistics and metrics, and project finance among others.

Shippensburg University, Shippensburg, PA *August 2014 - June 2018*
Degree: Bachelor of Science, Major: Computer Science; GPA: 3.476 / 4.0 index
Member of the Honors Program, Computer Programming Team

Research Experience

"The Prevalence and Impact of the "QWERTY Effect" on the Russian language."

- Text-based analysis of Russian characters over time using a dataset of 74 million names grouped by birth year to observe if the introduction of the electronic keyboard has influenced the Russian language in similar patterns that have been observed in Roman-character languages. (January 2017 – December 2017)
- "Best Senior Research Project" awarded by the Computer Science department
- "Honorable Mentions: Best Senior Research Project" awarded by the Honors Program