

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.
- Work across the applications' Full-Stack to implement features, utilizing a variety of technologies such as Angular, React, Java, Spring, Elasticsearch, and AWS among others.
- Act as a program technical lead on many Front-End technologies, such as Angular and React, to create new applications, participate in design sessions, and set coding standards.
- Lead, perform, and communicate important dependency and baseline upgrades across a multitude of independent applications to ensure transition ease and effectiveness.
 - Examples include upgrading major versions of Angular, bootstrap, and transitioning the baseline's linter from TSLint to ESLint.
- Additionally act as Scrum Master of a development team. As an SM: help to coordinate tasks, facilitate developers towards task completion, and collaborate with various cross-functional stakeholders across Lockheed Martin, subcontractors, and the US Government.
- 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, utilizing ASP.NET and C#.
- Inspected, documented, and aided in the knowledge transfer process of 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.