

John Bucher

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<https://johnbucher.github.io/Website-JohnBucher/>

Work Experience

Lockheed Martin, Littleton, CO

July 2018 – Present

Software Engineer (August 2020 - Present)

Associate Software Engineer (July 2018 – August 2020)

- Design, develop, and maintain web-based applications used by various agencies of the US Government.
- Effectively coordinate and collaborate with numerous teams and individuals across Lockheed Martin, subcontractors, and the US Government.
- Perform continuous learning to shore up program areas of expertise.
- Stack mainly consists of Angular/Typescript and Spring/Java among other various languages.

Computer Aid, Inc., Harrisburg, PA

May 2017 – August 2017

Software Development Intern

- 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

Shippensburg University, Shippensburg, PA

B.S. Degree - May 2018

Major: Computer Science; GPA: 3.476 / 4.0 index;

Member of the Honors Program

Relevant Coursework: Design and Analysis of Algorithms, Design Patterns, Interdisciplinary Development (NASA), Crafting Quality Code, Database Management

College Honors & Activities

Computer Programming Team; ACM International Collegiate Programming Contest; 2018 Minds at Work Conference; Clarence Schock Scholarship

Programming languages/technologies: Angular, Javascript, Typescript, HTML, CSS, Java, Spring, SQL, Node.js, C#, C, .NET Framework, MVC, AJAX, Ruby, Ruby on Rails, Python, SQL Server, and Agile Software Development

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