

# Michael Hayworth

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## EDUCATION

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### Kent State University

*Master of Science in Computer Science, Computational Data Science Concentration*

Kent, OH

Aug. 2023 – Present

### Kent State University

*Bachelor of Science in Computer Science, Game Programming Concentration*

Kent, OH

Aug. 2019 – May 2022

## EXPERIENCE

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### Lead Software Engineer

*BAM Technologies LLC*

Nov. 2023 – Present

*Remote*

- Heading a team of engineers in the development of an internal HR application platform
- Leveraging OutSystems to rapidly deliver software that drives company processes
- Leading technical discussions, architectural meetings, and client demos

### Software Engineer

*BAM Technologies*

May. 2022 – Nov. 2023

*Remote*

- Collaborated with Scrum teams in an Agile work environment using Azure DevOps to develop an HR software platform for the U.S. Air Force
- Spearheaded the initial integration of AWS resources into a .NET microservice architecture
- Contributed reusable components to an extensive design system for platform-wide use

### Student Applications Developer

*Kent State University*

Nov. 2019 – May 2022

*Kent, OH*

- Collaborated with faculty to develop a full-stack application for the delivery of remote research materials
- Participated in the Digital Leadership Academy, fostering the development of real-world technical skills
- Demood applications to stakeholders to iterate upon software solutions

## PROJECTS

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### Dynastatracker | *Laravel, Vue.js, Inertia.js, MySQL, Tailwind*

Feb. 2023 – Present

- Developed a full-stack football statistics application using Laravel, Vue.js, and MySQL.
- Visualized football data to show game result trends

### pylibsrcml | *Python, C, Git, Linux, GitHub Actions*

Jan. 2020 – May 2022

- Developed a set of Python bindings for a C interface called libsrcml: a tool that translates source code to and from an XML format called srcML
- Implemented an intensive test suite
- Encapsulated the bindings into a Python pip package for easy delivery to users
- Leveraged GitHub Actions to automate the testing and deployment of the package to PyPI

## TECHNICAL SKILLS

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**Languages:** PHP, C#, C/C++, JavaScript, Python, Go, SQL (SQLite, MySQL, Postres), HTML, CSS

**Frameworks:** Laravel, .NET Core, Vue.js, Angular, Tailwind

**Developer Tools:** Git, Visual Studio, Azure, AWS, VS Code, PHPStorm