

Daniel Barnes

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Education

Bachelor of Science in Software Engineering

Iowa State University - Ames, Iowa

Expected Graduation May 2021

Skills

Languages: Java, Javascript, C#, Python, C++, C, HTML5, CSS3

Others: Git, AWS (Lambda, EC2), .NET, Alexa Skills Kit, Node.js, Jenkins CI/CD, SQL, MongoDB, XQuery, JIRA, Unit Testing (Mocha.js), Agile Scrum

Work Experience

Software Engineering Intern

Zoro.com | Chicago, Illinois | June 2019 to August 2019

- Engineered a custom Amazon Alexa skill to interface with Zoro.com through voice
- Integrated Alexa with cloud search APIs through AWS Lambda in a Node.js runtime
- Implemented feedback from user testing to create a more enhanced user experience
- Created a Jenkins pipeline to facilitate continuous integration / deployment to AWS Lambda
- Utilized Agile development to iterate and develop product
- Created program to estimate shipment delivery date with UPS and Google Map APIs
- Delivered product demos to key stakeholders and teams within the company

Team Lead/Tier 4

Iowa State Solution Center | Ames, Iowa | September 2017 to April 2019

- Provided in-depth technical solutions to 1000+ issues
 - Documented solutions and procedures to increase efficiency and reduce response time
 - Communicated in person, over the phone, and via email to diagnose and resolve problems
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Projects

Frame By Frame C# | Solo | November 2019 - Present

- Developed an application for creating "flipbook" style animations

Boss Fight Battlegrounds C# | Team | August 2019 - December 2019

- Used the Monogame framework to create a game engine for a multiplayer sidescrolling action game that won best in class out of 78 projects

Discord Bot Javascript | Solo | July 2018 - Present

- Created a bot to manage discord servers utilizing Node.js and Discord.js hosted with AWS EC2

Face Tracking Camera Java | Team | October 2018

- Used OpenCV to produce a camera that can recognize and follow a face

Java Based Game Mod Java | Solo | April 2019

- Created plug-in / mod for mature Java project that has received 4800+ downloads
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