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Education

University of Massachusetts Amherst   Amherst, MA

College of Information and Computer Science
- *Bachelor of Computer Science*   *May 2019*

Isenberg School of Management
- *Bachelor of Business Administration Management*

Cumulative GPA **3.9**; Dean's List All Semesters
Commonwealth Honors College

Experience

Wayfair   **August 2019-**
Senior Software Engineer   **Present**
- Full-Stack software engineer with a focus on server-side programming and architecture
- Design and build customer-facing systems utilizing various languages and tools such as PHP, SQL, ReactJS, Webpack, and MVC principles
- Lead and execute various technical projects that help Wayfair expand its website internationally

Optum   **Boston, MA**
Software Engineering Intern   **May – August**
- Scrum Master in an Agile Development work space, providing leadership and support to Systems Analysts and Developers   **2018**
- Big Data programming utilizing Apache Spark on a Hadoop cluster
- Conducted machine learning analysis on big data using X-Pack ML
- Created data visualizations using Kibana

Business Entrepreneur   **North Dighton, MA**
App Developer
- Created an app for Android and IPhone, "Jolly Dodger" (currently for sale on market)   **June – August**
- Utilized Unity3D and C# programming to create this interactive game   **2017**
- Created a Windows App (UWP) for the Windows Store, "Numeric Binary and Hex Converter" (currently for sale)

Dynisco Inc   **Franklin, MA**
Software Engineering Intern   **Summer 2017**
- Designed and implemented Universal Windows applications for PCs and Windows IoT devices such as Raspberry Pis
- Created reusable, responsive, and interactive applications for pressure sensing and controlling using USB communication and Server-Client communication (TCP/IP)
- Extensive use of C# with advanced threading and asynchronous programming techniques for faster, more-efficient programs

Undergraduate Teachers Assistant   **Amherst, MA**
Tutor, Undergrad TA   **January – May**
- Helped students understand low-level computer concepts in C programming with examples and projects   **2017**
- Lead Computer Science discussions and reinforce course material for 30 students

Skills & Abilities

- Web Development (React.js, PHP, Javascript, Webpack) *see my website for more details*
- App Development (Unity3D, Python, Android Studio, XCode, UWP, XAML)
- Other Programming Languages (C#, Python, Java, C, SQL)

Activities

Hackathons

- Participant in HackUMass hackathons in 2016, 2017, and 2018
- My team created a range of games in these hackathons, from 2D tower defenses, to Virtual Reality endless runners
- I utilized Unity3D, C#, and customer graphics created by my team to create each of these games