

Ryan McGarry

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EDUCATION

West Chester University of Pennsylvania, West Chester, PA
Bachelor of Science in Computer Science, June 2020

TECHNICAL SKILLS

Software: MS Office Suites, WordPress, Adobe Suites, phpMyAdmin, SQL Server Management Studio, MySQL Workbench, MS Hyper-V, VMware, GitHub, Apache Subversion, Cisco Network Assistant, Anaconda, AWS, Microsoft Azure.

OS: Windows Server 2019, GNU/Linux. Windows 7/8/10, Mac OSX.

Programming Languages: C++, C, C#, Java, JavaScript, PHP, HTML, Python, R.

Frameworks: Java Spring, .NET (Core, ASP.NET MVC), Angular. Backbone.js, Express.js, jQuery, Node.js, Vue.js, Laravel, CakePHP, Bootstrap, Skeleton, Boilerplate, Django, TensorFlow, Azure ML.

PROJECTS

Favorite West Chester Places (<https://bit.ly/3f4Rnz2>)

- Web app to show my favorite places in West Chester, PA using Google Maps JavaScript API, HTML, and CSS.

Internship Approval System (<https://bit.ly/2UjC5P9>)

- Developed an application using Node.js, EJS, JavaScript that allows users to determine their eligibility to get an internship based on a GPA threshold. Tested application via Mocha and Chai frameworks.

Big Data Study: Chicago Crimes (<https://bit.ly/3h4fnEx>)

- A big data engineering study using a dataset that includes all reported crimes in Chicago, IL, from 2001 to present day. Used Python, Jupyter Notebook, Apache Ambari Server, Hadoop (HDFS, Apache Hive, Apache Zookeeper, Apache YARN, MapReduce), and CloudLab to process the data and show results.

EXPERIENCE

National Board of Osteopathic Medical Examiners, Conshohocken, PA
Software Engineer

September 2020 – Current

- Develop, maintain, and update a self-learning clinical decision-making web application using ASP.NET and C#.
- Implement necessary changes to the main website using WordPress, PHP, and JavaScript.
- Integrate machine learning using ML.NET to successfully reduce human workload in web applications.
- Document database tables and views using SQL Doc.
- Collaborate with osteopathic doctors and business personnel to analyze necessary software requirements.

CCM (Christian's Compassionate Mission), West Chester, PA
Full Stack Developer/Digital Marketer

August 2019 - August 2020

- Designed, implemented, and monitored website using Django, JavaScript/jQuery, CSS, front-end JS Frameworks and HTML.
- Analyzed requirements and designed, developed, and implemented software applications for multiple websites.
- Managed, optimized, and updated MySQL databases, as necessary.
- Increased engagement and ran advertisements on Facebook, Instagram, and Twitter.
- Attended company events to set up, monitor, and troubleshoot different technologies.

ACTIVITIES

Computer Science Club

Tutoring Coordinator, West Chester University of Pennsylvania, West Chester, PA

May 2018 - May 2020

- Managed and organized team of five tutors.
- Supervised study groups for group/team learning.
- Tutored six students one-on-one to ensure understanding of various computer science topics.

CERTIFICATIONS

AWS Certified Cloud Practitioner
Amazon Web Services (AWS)

May 2021 - May 2024