

Christopher Goulet

Primary Phone Number (Cell Phone): 270-XXX-XXXX

Location: Bowling Green, KY

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GitHub: github.com/chistogo

Education:

- **Bachelor of Science in Computer Science**, Western Kentucky University (Fall 2014 - Expected May 2017) (**Overall GPA: 3.55; In Major: 3.85**)
- **Associate of Science**, Elizabethtown Community College (2014) (**GPA:3.57**)

Work Experience:

- **Western Kentucky University Engineering-Manufacturing-Commercialization Center (2015-present)**
 - Student Software Developer:
 - Responsible for technical support of internal resources
 - Led full-stack development of video-sharing website
 - Android-App Development
 - Circuit Design
 - Embedded System Programming
- **Independent Contractor for Web Development (2017-present)**
 - Web Developer
 - Integrating payment processing
 - Building websites with responsive web design
 - Experience using web frameworks/libraries such Angular 2, Bootstrap and JQuery
- **Independent Contractor for Cyber Security (2016-present)**
 - Cyber Security Analyst:
 - Performing Penetration Testing on Internal LANs
 - Performing Wireless Security Audits
 - Web Application Vulnerability Assessment
 - Monitoring of Network Traffic
- **Western Kentucky University Computer Science Department (2015)**
 - Computer Science Tutor:
 - Tutored undergraduate students in introductory programming

Skills:

- Programming experience with Java, GO, Python, HTML, CSS, PHP, Bash, JavaScript and C
- Experience with Angular 2, JQuery and BootStrap
- Understanding of Windows and Linux operating systems
- Experience with KVM and deploying it using Libvirt
- Experience with Amazon Web Services (EC2, S3, Lambda, and Cloud Front) and other cloud services
- Experience managing and deploying MySQL DBMS
- Experience with the Docker platform
- Experience with object oriented programming

Awards, Activities and Research:

- Fruit of the Loom Undergraduate Student Award Winner 2016
- Session Winner for Presentation at 46th Annual Student Research Conference Presentation Section Winner for Presentation at Western Kentucky University
- Session Winner for Poster at 45th Annual Student Research at Western Kentucky University
- President of the Association for Computing Machinery (ACM) at WKU (2015-present)
- Winner of Best Use of Amazon Web Services and Fifth Third Consumer Challenge at RevolutionUC (Hackathon at University of Cincinnati)
- Published Conference Proceedings in Information Technology: New Generations 13th International Conference on Information Technology
 - Towards Indoor Autonomous Flight Using a Multi-Rotor Vehicle
- Involved in Cloud Computing Research at Western Kentucky University (2015-present)
- One of the Creators and the Web Designer for Hack the Hill, Western Kentucky University's first-ever hackathon (<http://hackthehill.io/>)

Projects:

- **M.A.R.V.I.N.**
 - Summary
 - M.A.R.V.I.N. was a Multi-rotor Aerial Robotic Vehicle for Indoor Navigation. The goal was to use a multi-tiered hardware and software architecture to autonomously navigate an indoor environment with no external computing. This project consisted of microcontrollers on the lower tiers and an embedded computer on the highest tier. The lower tiers were for real time calculations and reactions. The higher tier was responsible for process intensive jobs and non-real time tasks.
 - Core Technologies
 - C++ (Arduino Code), Python, Go, HTML, CSS, JS, Bash
- **WeGoStream.com**
 - Summary
 - Video sharing website for bands. The purpose was for bands to gain a following and receive donations from fans. This website was created for a client during my employment as a student software developer. The backend was created using PHP, ImageMagick, ffmpeg, MySQL and integration with Paypal. The frontend was created using Bootstrap, JQuery, JavaScript and HTML5.
 - Core Technologies
 - PHP, MySQL, JavaScript, HTML
- **Topper Cloud**
 - Summary
 - Infrastructure as a Service Cloud for Education to provide web accessible virtualized machines that are tailored for computer science students to use on their projects. The students access the virtual machine using NoVNC (HTML5 based VNC Client) through the web interface. The backend was created with Python, PHP, MySQL, and KVM.
 - Core Technologies
 - Python, PHP, MySQL, HTML, Javascript, KVM, Libvirt