

Zachary Andrews

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Education

Bachelor of Science, Computer Science

Allegheny College, Meadville, PA

Minor: Economics

Expected Graduation: May 2020

GPA: 3.04/4.0

Related Coursework

Senior Comprehensive Project

- Independent senior project surrounding the automation of the Docker installation and Dockerfile generation.

Software Development

- Gained an understanding of the phases of software development
- Learned how to use Github to create organizations and utilized branch and version control to develop complex software systems

Additional Coursework

Bioinformatics, Compiler Development, Programming Languages, Discrete Structures, Algorithm Analysis, Computer Organization, Web Development, Multi-agent & Robotic Systems

Skills

Programming Languages: Java, Python, Docker, HTML, CSS, C

Other: Software Development, Excel, Word, PowerPoint

Projects

Senior Comprehensive Project

- Independent senior project surrounding the automation of the Docker installation and Dockerfile generation.
- Detects file types in a directory and automatically generates a Dockerfile

GroupMeBot, A bot used to monitor a group chat within the GroupMe app.

- Written in Python3 using the GroupyAPI
- Checks messages directed at the bot using the '@' symbol for commands
- Creates reminders and events through user commands

Leadership and Service

Secretary, Association for Computing and Machinery, Allegheny College

August 2019-Present

- Keep minutes of all meetings including general and executive board meetings
- Write emails to keep club members informed of all club events and business
- Manage internal documents

Recording Secretary, Phi Gamma Delta, Allegheny College

December 2018-December 2019

- Keep minutes of all chapter meetings and manage all internal communications
- Reserve rooms for meetings, send out reminders and keep chapter informed of all events
- Manage internal chapter documents and send to fraternity headquarters
- Complete at least 15 hours of community service per semester

Vice President and Treasurer, Phi Gamma Delta, Allegheny College

January 2018-December 2018

- Manage fraternity budget of approximately \$25,000
- Collect dues, pay fraternity chapter bills, and make proposed edits to bylaws
- Oversee large disciplinary offenses among members as chair of the Judicial Board
- Perform the duties of the President in their absence such as leading chapter meetings
- Complete at least 15 hours of community service per semester

- Recruitment Chair**, Phi Gamma Delta, Allegheny College *August 2017-December 2017*
- Create, organize, and inform the chapter of events to recruit potential new members
 - Communicate with potential new members and advertise all events
 - Complete at least 15 hours of community service per semester
- Officer**, Legion of Allegheny Gamers, Allegheny College *March 2017-March 2018*
- Oversee club functions, manage club inventory of games and consoles, and acquire supplies as needed

Work Experience

- IT Technician**, Allegheny College Information and Technology Services, Meadville, PA *August 2019-Present*
- Designed and developed web pages utilizing HTML and Javascript for registering devices on Allegheny College wired network.
 - Developed tool for manually adding and banning devices to Allegheny College wired network.
 - Setup, deliver, and perform maintenance on college computers and equipment.
- Web Developer**, Bull Moose Progressive Marketing, Meadville, PA *May 2019-Present*
- Planned, designed, and managed websites of various clients.
 - Presented completed work for review at bi-weekly meetings with clients.
 - Created and managed social media platforms for clients, including but not limited to facebook pages, newsletters, and blog posts.
- Inbound Marketing Intern**, Bull Moose Progressive Marketing, Meadville, PA *January 2019-May 2019*
- Prepared and presented a business plan to a local small business owner looking to increase store visits and sales.
- Teaching Assistant**, Computer Science Department, Allegheny College *August 2018-Present*
- Mentor students taking computer science courses
 - Assist department professors with grading and answering student questions about in-class assignments and weekly laboratory assignments.
- Late Night Monitor**, Pelletier Library, Allegheny College *January 2018-Present*
- Assist patrons with any issues, check in and out books, clear and lock library at closing time
- InfoDesk Tech**, Pelletier Library, Allegheny College *May-August 2018*
- Answered phone and patron questions about the library and technology issues
 - Assisted ITS with on-campus projects ranging from computer lab upgrades to network jack activation and management
- Head Counselor**, Chautauqua Institution, Chautauqua, NY *June-August 2016, 2017*
- Oversaw assistant counselors and organized activities for campers throughout the summer
 - Evaluated the progress of Counselors in Training throughout the time assigned to my group