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Kevin Begic

Ann Arbor, MI
github.com/kev-begic

EDUCATION

University of Michigan   **September 2017 - May 2021**
Bachelor of Science in Computer Science   GPA: 3.2/4.0
- Coursework: Data Structures and Algorithms, System Design of a Search Engine, Practical Programming in Java, Computer Organization, Foundations of Computer Science, Computer Science Pragmatics

WORK EXPERIENCE

University of Michigan CAEN   **April 2019 - Present**
Student Web Developer   **Ann Arbor, MI**
- Improved natural language processing for machine-generated subtitles in College of Engineering lecture capturing devices.
- Utilized Flask and ParkIt API in updating number of available regular and handicap spots for parking web application.
- Migrated websites for university faculty onto WordPress hosting services.
- Accelerated PDF transfers and image downloading with Python scripts optimizing website transfer completions for student web team.

Novacoast, Inc.   **September 2018 – December 2018**
Security Operations Intern I   **Ann Arbor, MI**
- Managed SIEM LogRhythm to analyze network activity according to client-and-incident procedures.
- Developed python scripts performing information gathering on zone transfers and port scans in order to detect false positive security warnings.
- Authored intern documentation on drop-down analyses, network monitoring, and testing procedures for new upgrades prior in pushing to production.

SKILLS

Languages: C / C++, Python, Java, JavaScript, HTML, CSS,
Technologies: Bootstrap, Flask, Selenium, Firebase, Node.js, Git, SASS

PROJECTS

Bot-O-Mat | Python, Flask, HTML, Bootstrap, Firebase   github.com/kev-begic/Bot-O-Mat
Created web application where six types of robots assigned via user input complete household chores under various procedures and time constraints. Developed methods allowing multiple robots to complete tasks at the same time. Implemented leaderboard application displaying fastest completion times for all robots generated using Firebase.

Responsive Portfolio | JavaScript, HTML, CSS, SASS   kev-begic.github.io/portfolio/
Assembled personal portfolio highlighting front-end skills in accessible web design, previous projects, and personal hobbies. Applied SASS mixins introducing media queries in maintaining responsiveness and accessibility.

Log Manager | C++
Built an examination software application to quickly search and analyze log file entries based on timestamps, categories, and log messages Utilized a user interface in constructing an excerpt list of log file analysis. Evaluated runtime and storage tradeoffs for accessing and storing data contained in various data structures.

Star Wars Stock Market Simulation | C++
Created a command-line interface for an efficient stock investment simulation based on Star Wars battle deployments. Tested streaming algorithms using priority queues determining optimal project margins. Designed pairing heap priority queue utilizing self-adjustment tree balancing.

LEADERSHIP

Vice President of External Affairs | Triangle Fraternity   January 2018 – Present
- Oversaw philanthropy, service, alumni events, and social opportunities for Michigan Chapter.

Executive Producer | Survivor: Michigan   January 2018 – Present
- Organized semester long seasons for YouTube production of collegiate Survivor parody.