Avery Gosselin

32 Lasselle Rd, Burnham, ME 04922

✉ avery.gosselin@maine.edu   ✆ (207)-487-1571   ⌾ averyGosselin   in LinkedIn

EDUCATION

University of Maine Honors College   **Orono, ME**
BS in Computer Science GPA: 3.977/4.0   *Expected Graduation: May 2023*

- **Relevant Coursework**: Software Engineering, Data Structures and Algorithms, Object Oriented Programming, Discrete Structures, Computer Architecture

SKILLS

- **Programming Languages**: Python, Java, C, HTML/CSS/Mustache, PHP
- **Technologies**: AWS (EC2, RDS, Route 53, SES), Git, Github, Docker, MySQL, SQLite, Leaflet, Django

EXPERIENCE

Servant Heart Research Collaborative   **Orono, ME | Remote**
Student Developer   *Sept. 2019 – Present*

- Developed an exam preparation website for students in Sierra Leone
- Created an AWS cloud architecture, scalable to 90,000+ users, using EC2 (instances, autoscaling, and load-balancing), RDS, Route 53, SES, and Backup
- Full stack development, using: PHP, HTML/Mustache/CSS, MySQL, Linux, and Apache
- Organized teams of student developers, UMaine faculty, and partners in Sierra Leone to develop documentation, define requirements, and test the system to meet deadlines

PERC_Lab   **Orono, ME | Remote**
Student Research Assistant   *April 2021 – Present*

- Developed a framework to score privacy policies in a standardized way based on contextual integrity analysis of privacy policies and practices
- Co-authored a research paper in Latex on our initial results and plans for the future

MCI App Camp   **Maine Central Institute**
Founder and Counselor   *May 2018 – Aug. 2019*

- Founded an annual week long summer programming camp for 4-13 year olds
- Developed a curriculum using code.org to teach the students foundational computer science skills
- Produced advertising materials and coordinated with school officials to organize the program

PROJECTS

CCNavigator   *Jan. 2021 – May 2021*

- Utilized Django, OpenStreetMapverleaf, SQLite, and Leaflet to develop an app to navigate Orono's public transit system
- Designed a shortest path algorithm to calculate fastest routes in a graph of bus stops
- Led and collaborated with a development team in Scrum meetings to define and create the system

Room of Requirement Web App   *Sept. 2019 - May 2020*

- Developed a web application to enable in-need students of my school to easily request essential goods like food and clothing from our donations center
- Worked with school officials to get the app included on all school iPads
- Submitted the app, with a pitch video, to the Maine App Challenge and won second place

Beta Theta Pi Website   *July 2021 - Present*

- Developed a website with Wordpress for my fraternity chapter to grow our digital footprint
- Communicated with fraternity brothers to identify requirements for the site
- Referenced the national fraternity digital style guide to ensure the site conformed to all major branding standards

ADDITIONAL

- **Awards and Honors**: James S. Stevens Outstanding Junior Award (2021), Maine Top Scholar Award (2019 - Present), Maine App Challenge 2nd Place Finalist (2019)
- **Leadership Roles**: VP of Administration and Webmaster of Beta Theta Pi (Beta Eta Chapter), Captain of hockey, lacrosse, and golf teams in high school