Justin Gruen

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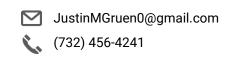
JustinGruen.com | *Linkedin.com/in/JustinGruen* | *Github.com/JustinGruen*

SKILLS

Languages: HTML5, CSS3 (SASS), JavaScript (ES6), SQL (MySQL & NoSQL), Python, & PHP.

Tools: Node.js, Typescript, React, Redux, jQuery, Material-UI, Shopify, Webpack, Bootstrap, Express, Stripe, & Git.

Other: Agile Practices, RESTful API's, UI/UX Design, Search Engine Optimization, Accessibility, & Troubleshooting.

EDUCATION

Washington College   **Chestertown, MD**

GPA: 3.6   Aug 2017—Dec 2020

Bachelor of Arts, Computer Science & Business Management

WORK EXPERIENCE

Washington College Geographic Information Systems (GIS) Program   **Chestertown, MD**

Junior Web Developer   Aug 2020—Dec 2020

- Designed and built a vehicle crash tracker web page using React and the ArcGIS API, enabling emergency responders to easily process, filter, and view 15+ years of Maryland crash data.
- Prototyped a web application for authenticated users to submit and view locations in GeoJSON files using JavaScript, HTML, CSS, and the Google Maps API.
- Achieved a ~5% increase in data retention through a new script using Pandas to process and query incoming JSON data from the Maryland Department of Transportation.

Washington College GIS Program   **Chestertown, MD**

Junior Applications Developer   Aug 2019—Aug 2020

- Independently responsible for creating, maintaining, and continuously expanding a toolbox containing 20+ user-friendly geoprocessing Python tools and software that sifts, analyzes, and displays data findings in multiple formats.
- Collaborated with GIS analysts to automate manual processes and increase deliverables production by ~10%.
- Redesigned UI options on existing geospatial analysis scripts to adhere to a wider range of needs.

PERSONAL PROJECTS

Record Top Records — website/github/paper

Record Top Records is an e-commerce application for users to view and purchase music albums. This project was built for my Senior Capstone Experience to learn the software development lifecycle for an online storefront. The application is designed for both desktop and mobile use. Through development, I learned how payments are handled (using Stripe), how to polish a website through Search Engine Optimization & Accessibility best practices, and the use of REST API's in an MVC structure using NoSQL databases.

Classroom Helper Discord Bot — website/github

Classroom Helper is a Discord bot aimed at helping professors who use Discord as a teaching resource during the Covid-19 pandemic better manage, direct, and assist their students during class time. The bot is currently used by professors throughout the Washington College campus. It offers commands to help manage groups, moderate discussions, and enable student-teacher interactions.