Justin M. Gruen

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EDUCATION:
Washington College, Chestertown, MD   Aug 2017 – Dec 2020
Double Major: Computer Science & Business
GPA: 3.54 | Bachelor of Arts
Academic Honors: Dean's List (Fall 2017, Spring 2019, & Fall 2019)

EXPERIENCE:
GIS Journeyman | Washington College GIS Program, Chestertown, MD   Aug 2020 – Dec 2020
- Designed, developed, and deployed web applications for the Maryland Highway Safety Office using Javascript, React, and Arcade to assist their work in decreasing crash rates.
- Worked closely with the GIS Senior Developer in the back-end development and implementation of a Geo event Server enabling real-time event-based data streams to be regularly processed and filtered.
- Responsible for developing back-end software using Python, SQL, and Microsoft's SQL Server Management Studio to easily and automatically store large amounts of incoming data within databases.

GIS Student Analyst | Washington College GIS Program, Chestertown, MD   Aug 2019 – Aug 2020
- Developed a Python Script using Arcpy and Pandas to process and query incoming XML data from the Maryland Highway Safety Office.
- Solely responsible for creating, maintaining, and continuously expanding a toolbox containing user-friendly geoprocessing tools and software (20+) that sifts, analyzes, and presents data findings in multiple formats.
- Collaborated and communicated with GIS Analysts to increase workflow through the development and execution of Python scripts to eliminate time redundancies.
- Improved existing scripts by analyzing areas of modification.

MPC Consultant | Washington College Ideaworks, Chestertown, MD   May 2019 – Dec 2020
- Developed an online equipment scheduling system designed for all students and faculty (1200+) that allows users to log in and rent equipment ahead of time creating a hassle-free process.
- Oversaw distribution and use of engineering and video production equipment.

TECHNICAL SKILLS:
Highly skilled and proficient in: Python, HTML, CSS, Javascript, C#
Proficient in: PHP, Java, Kotlin, C++
Tools/Libraries/Frameworks: Git, Nodejs, React, Material-UI, Stripe, Bootstrap, RegEx, ArcPy, Unity

SELECTED PROJECTS:
Record Top Records E-Commerce Application   Sep 2020 - Dec 2020
A full-scale e-commerce application developed for my computer science major SCE. It was developed using React, Nodejs, Google Firebase, Material-UI, and Stripe. Users can create accounts, view a product catalog, add items to a cart, and more.

Classroom Helper Discord Bot   Sep 2020
A discord bot developed in Javascript using DiscordJS for professors who use Discord as a teaching resource during the COVID-19 pandemic. It is meant for use with voice channels; it can pull all students in the voice channels provided into the teacher's channel, automatically split students into separate voice channels, and more.

Ideaworks Equipment Scheduling System   Sep 2019 – Dec 2019
Online scheduling software for students to facilitate the use of MultiMedia Production Center equipment at Washington College. It allows students to log in with their school user information and rent equipment for a block of time eliminating over-scheduling and creating an easy-to-use, hassle-free process. It is written in HTML, PHP, and SQL, using MySQL Databases and created with a team while practicing an Agile framework.

LEADERSHIP ROLES:
- Journeyman at the Washington College GIS Labs   Aug 2020 – Dec 2020
- Lead Video Streaming Coordinator for the Washington College Esports Club   Aug 2019 – Dec 2020
- Lead Presentation Director for the Enactus Washington College Chapter   Feb 2019 – Dec 2019