Justin M. Gruen

JustinMGruenØ@gmail.com | 732-456-4241 | JustinGruen.com | linkedin.com/in/JustinGruen

EDUCATION:

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

EXPERIENCE:

GIS Journeyman | Washington College GIS Program, Chestertown, MD   August 2020 – Present
- Design, develop, and deploy web applications for the Maryland Highway Safety Office using Javascript, React, and Arcade to assist their work in decreasing crash rates.
- Work closely with the GIS Senior Developer in the back-end development and implementation of a Geoevent Server enabling real-time event-based data streams to be easily processed and filtered.
- Responsible for developing back-end software utilizing 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   August 2019 – August 2020
- Developed a Python Script utilizing 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 applications and services to eliminate time redundancies.
- Improved existing systems by analyzing areas of modification.

Multimedia Production Center Consultant | Washington College Ideaworks, Chestertown, MD   May 2019 – Present
- Oversee distribution and use of engineering and video production equipment.
- Assisted students, alumni, and faculty in various projects.

PERSONAL PROJECTS:

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

Bluetooth Computer Diagnostics Application   April 2020 – Present
A set of two programs for Android and computers utilizing Kotlin, Java, and the Android Bluetooth API written in an MVP architecture that uses Bluetooth to display computer diagnostics onto an android device. Helpful for users who need to keep track of multiple computers, the mobile app provides an easy interface for observing internal computer diagnostics on the go. All one needs to do is simply connect to a computer through Bluetooth, download both the computer-side and mobile-side clients on their respective devices, and the computer streams the needed data in real time to the mobile device for easy viewing.

Classroom Helper Discord Bot   September 2020
This is a discord bot developed in Javascript using DiscordJS for my professors, intended to help teachers who use Discord as their teaching resource during the Covid-19 pandemic better utilize it for their needs. It is primarily 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.

TECHNICAL SKILLS:

Languages & Frameworks: Python, Kotlin, HTML, CSS, Javascript, React, Java, C++, Nodejs, Git
Platforms & Other: Github, Visual Studios (Visual Studios Code, Visual Studios 2019), Microsoft Office (Outlook, Word, Excel, PowerPoint, Access), Microsoft SQL Server Management Studio, Esri (ArcGIS, Arcmap, GeoEvent Servers)
Social Media: Personal - justingruen.com, LinkedIn - linkedin.com/in/JustinGruen, Github - github.com/justingruen