Dylan Alexander

Software Engineer

📞 (770) 343-1748   ✉ dalexa75@student.kennesaw.edu   ⓖ GitHub   🔗 LinkedIn

Profile

I am a driven developer with a proven track record of delivering optimized software products through automation, innovation, & creativity. I am passionate about piecing together inventive solutions to solve real-world problems.

Reference Letters can be provided upon request.

Education

**Bachelor of Science -
Double Major in Computer Science and Physics, Minor in Mathematics, Concentration in Artificial Intelligence**
Kennesaw State University
Junior, 2019 – 2023 | Current GPA: 3.73/4.0

Experience

Mar 2021 – Present | **R&D Software Engineer** | Carter + Clark | Duluth, GA

- Researched and assembled new algorithms that facilitated the autonomous construction of individual Lots, House Plans, and Area Calculations for specific Permit Drawings within a plat. (Each drawing required a spatially accurate depiction of Drainage, Utility, & Erosion Control Lines)
- Programmatically manipulated drawing-entities in a 3D environment by using the AutoCAD .NET API and maintaining an Object-Oriented Design Protocol for a Procedural codebase.
- Rigorously maintained & improved CI/CD pipelines to ensure effectiveness of version control amongst a small group of developers by implementing Unit Tests & standard protocols for individual contribution.
- Aided in the optimization of internal API Endpoints that fed into our Extension Application.

Jun 2020 – Mar 2021 | **Full Stack Developer** | ManDeo Consultancy | Atlanta, GA

As part of a team of 3 developers, we created digital footprints for small to large size companies by:
- Developing the Frontend & Backend for Clientele's Web App's using Bootstrap, jQuery & AJAX.
- Creating, integrating, and managing Online Stores for multiple businesses using Square & Shopify.
- Constantly communicating with business executives & owners to solidify project requirements/timelines and continuously improve online presence.
- Using Google Ad Sense, Facebook Pixel, and SEM Rush to dramatically improve the Search Engine Ranking of several businesses.
- Creating bespoke icons, Ad Copy, and Email Marketing Templates with Adobe Illustrator and Photoshop.

Jun 2018 – Jun 2020 | **GIS Analyst & Engineer** | 173rd Infantry Brigade | Vicenza, Italy

- Contributed to building the Frontend for a dynamic, tracking-based web application that leveraged the use of tailored Geodatabases to instantly update the location of entities.
- Used Geopandas, ArcPy, and other related GIS-Scripting Python modules to maintain and manipulate large Geospatial datasets that fed into dynamic applications.
- Constructed a variety of GIS and imagery related products tailored to the needs of Combat Leaders in a tactical environment.

Skills & Interests

Certifications: AWS Cloud Practitioner (03/2021), GEOINT Professional (11/2020)

Languages: C#, Python, C++, JavaScript, SQL   **Frameworks & Tools**: Git, AutoCAD .NET API, Pandas, NumPy, Django & Flask

Passions: Artificial Intelligence, Mathematics, Guitar, Spanish, Photography, Fitness