

Graham Joss

To Whom It May Concern,

I am a perspective DePaul University graduate with a multi-faceted background allowing me to wear many hats and I am always looking for the next hat. With my skills in software development and analytics, I am seeking a challenging position requiring me to be constantly learning on the job while contributing to the task at hand.

I am motivated by seemingly intractable problems that force me to learn the fundamental concepts. As an independent learner my first choice of material is always for “Learn Python the Hard Way” instead of “Learn Python in 2 hours.” I seek understanding and truth derivation over memorization. Although, in a business environment I am aware I may not have the luxury to pedantically explore the minutia and a deadline for a deliverable would be the priority.

My degree path has uniquely prepared me to contribute to a data analysis workflow. In the introductory python classes I learned string manipulation, which sets the stage for large scale file cleaning. I have experience pulling data with API calls and creating static web scrapers. In my data structure classes I learned about the space-time tradeoff when measuring algorithm performance. This gives me the ability to recognize what an efficient solution looks like. In the Geographical Information Systems program, I was routinely tasked with creating accurate, timely and aesthetically pleasing information products. I enjoy and see the great power that can come from the process of well thought out data collection and analysis.

My school experiences provided me with a wide array of fundamental computer science and data analysis knowledge, which gives me the confidence to say I will be able to learn the responsibilities quickly. I would enjoy the opportunity to discuss my skills in more detail to find out if I am the right fit for your team.

Sincerely,



Graham Joss
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Professional Statement

A technology professional with a willingness to learn new things and a need for intellectual rigor. I am trained in the basics of software development and geographic information systems. I strive to promote clear and open communication to achieve more effective group think.

Skills

- Algorithmic thinker with tools like
 - C, Java, Python
- Optimization of code composition
 - Vim Script (mappings, macros, functions)
- Data Visualization through the application of digital cartography
 - Open sourced with GeoPandas, Leaflet, Folium
 - Proprietary with ESRI's ArcGIS suite
- Big Data Cluster computing
 - Map-reduce programming paradigm using AWS
- Technical writing
 - Technical and non-technical explanations of technical work
- Regular Expressions
- Shell Scripting
 - Bash and Zsh

Work Experience

Teacher Assistant – Spatial Data Science class

September 2022 – November 2022

- Conduct office hours for course tutoring
- Used Python's GeoPandas library in Jupyter Notebook for Exploratory Spatial Analysis

Teacher Assistant – Remote Sensing class

January 2021 – March 2021

- Conducted office hours for course tutoring
- Used ESRI's ArcMap for Landsat data analysis

Sales Administrator – R.R. Donnelley – Chicago, IL

August 2015 – November 2019

- Aided in the sales process through market research
- Created new paper fold designs for direct mail campaigns

Camp Counselor – Towering Pines Camp – Eagle River, WI

June 2013 – August 2015

- Lifeguard and taught swim lesson
- Drove a water ski boat and instructed trick ski class
- Instructed windsurf lessons

Education

DePaul University, Chicago Illinois

Graduation June 2023

Bachelor of Science in Computer Science - Software Development
Certificate in Geographic Information Systems

Projects

Text-based terminal Application - Bash - Web scrape GitHub user's repositories and display to console
<https://github.com/gramjos/GetGitHubRepoNames>