**Stamatios Morellas**

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GitHub: <https://github.com/stamatim>

**OBJECTIVE**

Seeking position as a Software Engineer

**SUMMARY OF QUALIFICATIONS**

Motivated and creative Software Engineer with 4+ years of shared experience in Object-Oriented Programming, Data Structures, Software Development Practices, Operating Systems, and Software Architecture. Growing interest and continuous learning in Blockchain, Machine Learning, and UI/UX Design.

**EDUCATION**

**Iowa State University**

*Aug 2016 – Nov 2020*

Bachelor of Science – Software Engineering

Ames, IA

**Providence Academy**

*Sep 2012 – May 2016*

High School Diploma

Plymouth, MN

**WORK EXPERIENCE**

**Web Developer (Contract)**

*Jun 2020 – Aug 2020*

*ProNex Inc.*

Updated to site structure and theme to make navigation less tedious; Collaborated with marketing team to make WordPress site more informative to users; Ensured copy consistency for better keyword performance; Reformatted images for higher-resolution and better user-experience.

**Head of Digital Media**

*Jul 2019 – Jun 2020*

*Blest Sinners Clothing Co.*

Created, managed, and maintained our organization’s WordPress [website](http://blestsinners.com/); Monitored user traffic on website and social media using various analytics tools; Enhanced brand awareness by curating content for Facebook advertising; Utilized Adobe Creative Suite to optimize content for social platforms.

**Machine Learning Research Intern**

*Jun 2018 – Aug 2019*

*University of Minnesota Medical Center,* [*RADLAB*](http://radlab.umn.edu/)

Created and managed lab datasets using GitHub; Wrote a [tutorial](https://gist.github.com/stamatim/6d599bfaa2442e687e3ae8d90e72187e) for the lab team to understand how to interact with the git repository; Collected, filtered, and analyzed patterns of time series data using Julia; Evaluated data and explored techniques for identifying adolescent depression in fMRI scans by implementing LSTM deep neural networks in Python.

**Lab Intern**

*Jun 2017 – Aug 2017*

*University of Minnesota*

Evaluated user interfaces on a [project](https://link.springer.com/chapter/10.1007/978-3-319-67534-3_15) for annotating cancer tomography scans; Acquired valuable knowledge of front-end technologies used in the system such as HTML/CSS, JavaScript, JQuery, and PHP; Established expertise with heuristic evaluation methods, a critical tool for software enhancement and user experience testing.

**PROJECT EXPERIENCE**

**ML Toolkit** – [View Project](https://github.com/stamatim/ML-Toolkit)

*Personal Project (Ongoing)*

Building a repository of templates for common machine learning models; Utilizing Python and Jupyter Notebooks to build templates for common machine learning topics including regression, classification, NLP, and deep learning.

**Nodekraft Resources** – [View Project](https://github.com/nodekraft)

*Team Project ­– (Ongoing)*

Building an open-source knowledge base application with a team of developers that offers curated programming and design resources to educate people on the tools available in the digital ecosystem; Developing a client-facing application in ReactJS for users to browse resource information in a purposeful and responsive way; Creating a custom API for fetching resource information from MongoDB.

**Warehouse Inventory Automation** – [View Project](https://github.com/stamatim/Senior-Design-Project)

*Senior Design Project*

Designed and developed a full warehouse inventory management system using MongoDB, Express, ReactJS, and Node.js for my two semester-long senior design project at [Iowa State University](https://sddec20-10.sd.ece.iastate.edu/); Created a simulated warehouse environment for a flying drone using open-source WeBots platform to scan and send item barcodes to MongoDB server; Challenges included dynamically learning new things, adapting to COVID-19 restrictions on our project, and getting used to collaborating in a fully-remote team environment.

**Image Processor** – [View Project](https://github.com/stamatim/ImageProcessor)

*Academic Project*

Implemented an image processor in Java; Used matrices, tuples, and stitching to manipulate image pixels; Learned how to classify pixels in photos based on factor of importance to resize images appropriately.

**Web Search Engine** – [View Project](https://github.com/stamatim/Web-Search-Engine)

*Academic Project*

Implemented a rudimentary web search engine in Java; Practiced fundamental techniques relating to array list sorting, search algorithms, and Big-O notation; Gained understanding of trees and directed graphs.

**CookBuddy** – [View Project](https://github.com/stamatim/CookBuddy)

*Academic Project*

A semester-long team project for my software development practices course at Iowa State University; Designed and developed the front-end for our client-server Android application using Java and modern UI/UX design principles; Challenges included getting familiar working in a scrum environment, learning Spring Framework, and web sockets.

**Hash Table Generator** – [View Project](https://github.com/stamatim/Perfect-Hash-Table-Generator)

*Academic Project*

Implemented a hash table construction algorithm in Java; Gained valuable insight into graph data structures and hash tables.