ANGELO SAVICH
Machine Learning | Software Development Engineering

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Self-motivated Software Development Engineering student combining academics with hands-on work experience. Collaborative, outgoing, and genuine team player ensuring quality of individual work with an understanding of the bigger picture. Communicates effectively with technical and non-technical business leaders to solve problems. Persistent, adaptable, curious, and fast learner poised under pressure with a "fail fast and fail forward" approach.

EDUCATION

Bachelor of Computer Science with Minor in Entrepreneurship & Innovation, GPA: 3.86, *Dean's List*   May 2022
Michigan State University, East Lansing, Michigan

Coursework:	Algorithms & Data Structures • Computational Organization & Architecture • Software Design • Discrete Structures & Mathematics • Computer Systems • Algorithm Engineering
Leadership:	Delta Sigma Pi Business Fraternity: Pledge Mentor (2019-Present) & Member (2019-Present) Spartan Breakdance: Vice President (2019-Present) & Member (2018-Present)

International Baccalaureate Diploma, GPA: 4.4   2018
International Academy West, Bloomfield Hills, Michigan

TECHNOLOGY

Languages:	C++, C, C#, Python, Java, JavaScript, SQL, Shell Scripting (Bash, TCSH), R, XAML, HTML5, CSS, Assembly (ARM and x86)
Libraries:	TensorFlow, NLTK, Scypy, Numpy, Boost
Environments:	Node.js, Hyperledger Composer, Truffle and Ganache
Frameworks:	.NET, .NET Core, Bootstrap, JQuery, Angular, React
Docs:	Doxygen, UML, PEP-257, Google Style Guide, reST
Concepts:	Front-end and Back-end Development, Software Development, Algorithm Optimization, Artificial Intelligence and Machine Learning Applications (Supervised and Reinforcement Learning – NLP/OCR), Web App Development, Databases, Cloud Computing Applications, Networking Applications, Containerization and Portability, GUI, Load-balancing, Multithreading, Source Control, Agile/Scrum, OOP, Android Software Development
OS:	Linux (Mint, Debian, Ubuntu, Raspbian), Windows, macOS, Android
Platforms:	AWS, Azure, Blue Prism, CUDA
Hardware:	Prototyping, Microcontrollers
General:	Data Analytics, Modeling

SKILLS

Software Engineering	Teamwork & Collaboration	Critical Thinking
Machine Learning	Teaching & Presenting	Problem Solving
Project Management	Customer Service	Research & Analysis
Maintainable & Adaptable Code	Debugging/Troubleshooting	Test Cases/Test Code

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PROFESSIONAL EXPERIENCE

Michigan State University   **2020-Present**
Undergraduate Teaching Assistant – Algorithms & Data Structures
Collaborates with 12-member team of Teaching Assistants to create and grade quizzes, projects, and exams. Teaches lessons. Provides feedback to and helps 250+ students through office hours and online resources.

- Designs student project specifications, test cases, and solutions for Heaps and Circular Deques.
- Assists on projects: Sorting and Search Algorithms, Graphs, Tries, Trees (R/B and AVL), Recursion.

AF Group *(premier provider of innovative insurance solutions)*   **2019-2020**
IT & Innovation Intern Developer
Designed and evaluated proof of concepts for cloud architecture, customer-facing software, and internal systems. Communicated with vendors on external software solutions. Developed, tested, and implemented software using .Net and C#. Created documentation for libraries, procedures, processes, and systems.

- Completed 2 projects using natural language processing and optical character recognition software:
  - Automated insurance claim intake of 80K weekly claims; reduced processing time by 75%.
  - Developed a chatbot that aggregated data across multiple sources to provide clients and customers with streamlined access to information during the Covid-19 pandemic.

Spartan Blockchain Solutions *(student-run, nonprofit Blockchain advisory firm)*   **2018-2020**
Senior Technical Analyst & Developer
Hired as one of the first employees upon launch of the organization. Collaborated with research team and MSU academic departments. Communicated with clients. Analyzed project practicality. Researched and identified strengths, weaknesses, opportunities, and risks. Developed and evaluated proof of concepts. Designed, presented, and implemented solutions. Modeled viable systems. Secured external funding.

- Led 2 successful projects that implemented durable solutions to best satisfy client needs, involving team leadership, research, analysis, and proof of concept development:
  - LGG Engagement: Consumer-facing front end (website), front-end web portal for employees, and back-end API.
  - IBM: Conceptualizing Crypto Law Proof of Concept.

OTHER

Projects: Digital Assistant Chatbot, Open-Source Contributions, Natural Language Processing Chatbot for Home Use, Production & Backup Servers, Microcontroller Environment Regulation System, Automation – Self-writing & Self-correcting Code, Task Management and Prioritization System, OCR Datasheet Template Generation

Media: Featured in Medium.com for involvement in Spartan Blockchain Solutions

Awards: 2019 Spartahack Award, Best Customer Experience Personal Assistant for Customers/Employees Best Pitch, 2019 Spartan Blockchain Innovation Competition

Add'l. Exp.:   Manager, Alpine Valley Resort (2018-2019)
               Supervisor, Bogie Lake Greenhouses (2017-2018)