

Simon H. Benzer

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Education

University of South Carolina

Bachelor of Science in Computer Science, Concentration in Physics, May 2021

Georgia Institute of Technology

Masters in Computer Science, Specializing in Artificial Intelligence, January 2024 - Present

Skills

Programming Languages: Python, JavaScript, Typescript, SQL, PL/pgSQL, C++, Java, R, HTML5/CSS

Software Applications: Tableau, Amazon Web Services, IBM Watson Studio, Microsoft PowerApps

Operating Systems: Linux/Unix, Windows, macOS

Soft Skills: Project Management, AGILE Methodologies, Artificial Intelligence, Machine Learning, Software Architecture

STEM Experience

FivePoint Solutions – QA Engineer

January 2023 – Present

- Design and develop automation scripts to ensure software is efficiently smoke, regression, and load tested
- Personally build and maintain executable automation suites for company software, reducing testing time by >90%
- Work with software engineering team to ensure code is developed in ways most suitable for automation
- Develop and deploy SQL queries to maintain and configure testing sites in Microsoft SQL Server
- Technologies: Python, Selenium, JavaScript/Typescript, Vue.js, Angular, SQL, Git, Azure, MSSMS

Cobec Consulting, Inc. – Analyst/Full-Stack Software Engineer

September 2021 – January 2023

- Maximize customer satisfaction on multiple FAA contracts requiring Public Trust clearance
- Conduct, visualize, and distribute statistical analyses to maximize the portrayal of data
- Design and oversee the implementation of front-end solutions by the client's internal development team
- Design and build full-stack software solutions for clients and company internals using AGILE methodologies
- Learn/Adapt to new technologies to maximize the efficiency, productivity, and sustainability of client solutions
- Develop Python scripts to automate the creation of software metrics for quality analysis and project management
- Technologies: JavaScript/Typescript, Python, Angular, Node.js, PostgreSQL, Git, Tableau, Jira

Colite Technologies – Lead Software Engineer (Contractor)

August 2020 – April 2021

- Design and build an internal web application using a Vue.js framework, PHP, and SQL-supported databases
- Interface with machinery to control and monitor processes
- Communicate with customers to actively integrate design and functional requirements
- Facilitate deployment and maintenance through Amazon Web Services
- Manage team of software engineers to ensure efficient and effective goal achievement
- Technologies: JavaScript, Vue.js, Node.js, SQL, Git, PHP, Amazon Web Services

University of South Carolina – Research Assistant

May 2018 – July 2018

- Evaluate functionality of lab's electrical equipment, then upgrade electrical circuits to convert between equipment
- Test prototypes to find optimal solutions to complex problems
- Design and implement a research plan

Publications

Osteopontin counters human immunodeficiency virus type 1–induced impairment of neurite growth through mammalian target of rapamycin and beta-integrin signaling pathways

February 2019