



OBJECTIVE

Vision-driven change agent with career-long record of computer science and software engineering innovation for leading organizations

Proven talent for aligning business strategy and objectives with established computer science theory and programming management paradigms to achieve maximum operational impacts with minimum resource expenditures. Efficiency-focused professional with expertise spanning software engineering, project management, requirements engineering, human computer interaction, enterprise integration, systems design, software testing, database design, machine learning, deep learning, web security, system architecture, and software as a service (SaaS). Exceptional administrator with keen interpersonal communication, and organizational skills, as well as process optimization, critical thinking, and cost-reduction expertise.

PROFESSIONAL EXPERIENCE

SIMOTUS LLC, BRISTOL, CT, 2017 - PRESENT

Software Engineer, Consultant, Co-Founder

- Innovation Consulting, Technology, and Software Solutions
- Machine learning, Deep Learning, Data streaming, Cloud Solutions
- Implemented the industry leading SIMBOX and Fraud Detection solution now in use by the 10th largest telecommunication company in the world, Orange S.A.

TRILOGY EDUCATION, UNIVERSITY OF CONNECTICUT (UCONN), 2020 - PRESENT

Full-Stack Bootcamp Instructor

- Lead Instructor
- Provide full-stack training to University of Connecticut students in an intensive bootcamp environment.
- React, Node, Express, Javascript, Mysql, Mongodb, as well as various other frontend and backend technologies are taught to students; equipping them for competitive careers as full stack engineers.

TREEHOUSE INTERNET GROUP, CONTRACTOR NATION, SEYMOUR, CT, 2014 - 2019

Software Engineer

- Collaborate and manage a team of talented programmers to improve and expand Connecticut's largest online marketing company, representing one of the largest lead generation programs in the United States.
- Monitor a comprehensive content management system and customized programming tools, enabling clients to leverage online search engine rankings and lead generations.
- Conceptualize, develop, refine, and actualize customized programs including a tag cloud that allows keyword research into customer data, a marketing budget system designed to help dealers determine cost-effective marketing avenues, a social widget that simplifies sharing, and a complex testimonials system.

KEY ACHIEVEMENTS

- Pinpointed a flaw in the current web application code shortly after being hired—error was limiting the amount of content for our websites; efforts to fix this bug saw 4.27% more webpage entry points to collect incoming organic web traffic. Overall impact: company income grew \$18,000+ per year.
- Advance building, development, and implementation of custom programming tools that focus on reducing repetitive tasks; programming collectively reduced our team's workload by over 1400 man hours a year.

CHOICE MERCHANT SOLUTIONS, HARTFORD, CT, 2013 - 2014

INTERN, Software Engineer

- Formed a customer relationship management system using MySQL and JavaEE web development, allowing the company to transition from paper filing to secure electronic database records
- Revitalized record-keeping and retrieval times by significantly improving efficiency
- Constructed a web-mining application that located over 4,000 potential clients per day by seeking out businesses in need of cash advance loans and credit card processing solutions
- Assembled a sophisticated administration system to assist with monthly payroll processing, reducing the CEO's workload by nearly one full workday per month

EDUCATION AND CREDENTIALS

MASTER OF SOFTWARE ENGINEERING (M.S.) IN SOFTWARE ENGINEERING, 2017

Penn State, University Park, Pennsylvania | GPA = 3.81

BACHELOR OF SCIENCE (B.S.) IN COMPUTER SCIENCE, 2014

Central Connecticut State University, New Britain, Connecticut | Major GPA = 3.3/4.0

Extracurricular Participation = Computer Science Club, The Hour of Code

ASSOCIATE OF APPLIED SCIENCE (A.A.S.) IN MARKETING, 2012

Ashworth University, Norcross, GA

VOLUNTEERISM

- Donated time at the Terryville Animal Rescue Foundation, 2007
- Participated in breast cancer walks, 2013
- Volunteered on a team to clean up Stanley park in New Britain, 2013

ADDITIONAL INFORMATION

Technical Proficiencies: Java, JavaEE, J2EE, MySQL, PHP, C, GO, Python, React, Flutter, JavaScript, Node, Express, jQuery, AJAX, XML, HTML, Assembly, SQL, MySQL, NoSql, MongoDB, Apache Kafka, scikit-learn, PyTorch, Unix, LAMP, Apache Tomcat, Glassfish Application Server, AWS, Google Cloud

Hobbies: Golf, Music, Being a New Father, Reading/Researching, Entrepreneurship