

David Senerchia

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Academics

- North Carolina State University (NCSU), Raleigh, NC - Expected Graduation May 2019
 - B.S. in Computer Science with Concentration in Engineering Courses
 - Minor in French
- Université Catholique de Lille – Study Abroad Program in France

Experience

- Crédit Suisse Application Development Internship – June 2018-August 2018 (Raleigh, NC)
 - General Development
 - Created tool using Python for company-wide use to programmatically automate the creation of sub-tasks in JIRA to reduce time spent in Agile meetings manually creating standardized sub-tasks and setting the corresponding details to sub-tasks.
 - Cyber Security - Attack Surface Reduction
 - Served as a Data Fabric developer to create an efficient message queue system between applications and immediately communicate identified threats to designated response teams.
 - Cyber Security – Security Analytics
 - Created Splunk dashboards to take unstructured Cyber Security data and display it in a structured way to identify trends and perform statistical analysis.
 - Cyber Security – Threat Detection and Response
 - Created program to generate a unique key to encrypt and decrypt user passwords before verifying a certified user in order to enhance password protection and prevent potential hackers and cyber threats.
 - Global Markets and General Data Analytics
 - Served as back-end developer on a small team of interns on a two-part project.
 - Part 1. Created an algorithm to receive business focused documents through a user interface, using natural language processing to identify keywords and sentence structure, and generate unique questions and answers to store in knowledge base.
 - Part 2. Created chatbot to interact with a user and compare their questions to previously created knowledge base questions and respond to user with knowledge base's pre-generated answer.
- Duke University Health System IT Internship - May 2017-August 2017 (Durham, NC)
 - ServiceNow Development Team
 - Responsible for applying the Automated Test Framework (Selenium) module to the Duke ServiceNow ticketing system and identifying functionality needed for future software upgrades
 - Set up approval workflows
 - Trained process owners on the Automated Test Framework module
 - Developed and managed reports to analyze and display statistics on requests, incidents, issues, stories, and story points
 - Developed and implemented new functionality in ServiceNow to meet user requirements

- Patient Revenue Management Organization
 - o Developed coding to (i) create a form in OnBase, with an integration to an Oracle patient database, for users to input refund requests and (ii) set up workflow to route the refund requests for approval.
 - o Optimized performance and file storage of the MediaSite application to improve cost and efficiency of online video communication.
 - o Participated in Epic system clinical software training
 - o Participated in a review of the integration of SAS Virtual Analytics software and Duke systems

Skills

- Languages: English (Native), French (C1), Polish (B1), Russian (Intermediate Reading Level)
- Programming Languages: Python, Java, C#, C++, C, SQL
- Software Development Lifecycles: Agile, Waterfall
- Applications: ServiceNow, JIRA, Splunk, Microsoft Office, Selenium, Django, Flask, Hibernate, MySQL, GIT, Maven, Jenkins, Spring Boot
- Programming Concepts: REST, JSON, Continuous Integration, Test Driven Development, Behavior Driven Development, Object Oriented Programming

Service

- Community Service for four years including a local food pantry, the Salvation Army Thrift Store, and elementary public schools doing landscaping, cleaning, moving furniture, and painting projects.
- Coach of recreational basketball team for boys ages 15-18.
- International mission trips to Mexico, South Africa, and India engaging in community service projects to missionaries, their children, and children of AIDS parents.

Clubs and Interests

- NC State Clubs: Tennis, Racquetball, French, English
- United States of America Powerlifting – National level Competitor
- Church Ministry Student Leader
 - Discipleship Group Leader with Summit College at North Carolina State
- Independent World Traveler (India, Germany, Italy, France, Belgium, Switzerland, England, Wales, Scotland, South Africa, Denmark, Sweden, Luxembourg, Mexico, Poland, Ukraine, The Netherlands, and more)
- Conducted research and wrote paper on optimization of immersive language learning