Naga Nannapuneni

ncn2ep@virginia.edu | 703.507.4614

EDUCATION

UNIVERSITY OF VIRGINIA
BA in Computer Science & Biology
May 2021 | Charlottesville, VA
College of Arts & Sciences
Cum Laude
Major GPA: 4.0 / 4.0
Cum. GPA: 3.77 / 4.0

JOHN CHAMPE HIGH SCHOOL
May 2017 | Aldie, VA

LINKS

Github:// **naga1090**
LinkedIn:// **naga-nannapuneni**
Medium:// **@nagasameer**
Website:// **naga1090.github.io/portfolio**

COURSEWORK

UNDERGRADUATE
Algorithms *(Teaching Asst. 2x)*
Artificial Intelligence
Computer Architecture
Computer Vision
Cloud Computing
Database Systems
Data Science with Python
Discrete Mathematics
Program & Data Representation
Software Development Methods
Regression Analysis

SKILLS

PROGRAMMING
Over 5000 lines:
Java • Python • C++
Over 1000 lines:
JavaScript • MySQL • HTML • Assembly
Familiar:
MATLAB • CSS • Swift • LaTeX

PUBLICATIONS

[1] L. Xiao, R. Huang, Y. Zhang, T. Li, J. Dai, N. Nannapuneni, T. R. Chastanet, M. Chen, F. H. Shen, L. Jin, H. C. Dorn, and X. Li. A new formyl peptide receptor-1 antagonist conjugated fullerene nanoparticle for targeted treatment of degenerative disc diseases. *ACS Applied Materials & Interfaces*, 11(42):38405–38416, 2019. PMID: 31556594.

EXPERIENCE

WELLS FARGO | Software Engineer
June 2020 - Present | Richmond, VA

- Developed microservices that process financial data from internal facing tools to transform and store data into automated reports by utilizing cloud platforms for storage, security and scalability
- Integrated stored procedures and logging capabilities in order to track auditing adjustments and error handling
- Utilized Microsoft Azure, Microsoft SQL Server, Java Spring Boot, Java Persistence API, Hibernate, and worked in parallel with front end developers to create and optimize newly functional tool which simplifies adjustments and provides additional logging

FANNIE MAE | Software Engineering Intern
June 2019 – August 2019 | Washington, DC

- Refactored REST services from Tomcat with an Oracle backend to AWS Elastic Beanstalk
- Developed REST APIs using Postman that queried financial, risk assessment, and services data for external facing tool
- Used AWS Elastic Beanstalk, DB2 via RapidSQL, Java, Spring Boot, and Postman to create cloud resources.

TEKORG | Software Engineering Intern
May 2018 – Aug 2018 | Aldie, VA

- Worked with data analysts to improve internal Business Intelligence tool Re dash by implementing a new Link Graph visualization using JavaScript, Java, GitHub, and React Framework
- Created multiple dashboards using Databricks and MySQL to visualize and demo customer data and introduce new improvements to the BI tool

PERSONAL PROJECTS

ELECTRONIC HEALTH RECORDS & LAB LOCATOR APP
June 2021 - Present

- Developed a web application which provides users quick access to personal medical records (lab reports, scans, referrals) stored in a cloud based platform and offers the ability to search for nearby medical laboratories
- Applied skills in research, design, debugging, and testing to create a functioning application and created concise documentation of project design and implementation
- Integrated multiple different platforms and technologies such as JavaScript, React Native, Expo, and AWS Amplify (Auth, Geo, Storage), Github in a large scale project

BIOMEDICAL RESEARCH PROGRAMMING PROJECT
April 2018 – May 2021

- Worked with orthopedic surgical research team to develop program for image analysis and comparison of different treatment conditions in multiple projects using Python (OpenCV, SciPy, Pandas) and MATLAB
- Presented my program at University of Virginia School of Medicine Research Symposium and possible future development process
- Created program measuring size of inflammation on spinal disc cells, ellipticity of different treatment conditions to quantify differences, and generated 3D image from cross sectional of spinal disc column for multiple research paper