Nithin Richard

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Education

University of Maryland, College Park

- B.S. in Information Science, May 2021
- University of Maryland Hinman CEOs Entrepreneurship Program
- Minor in Technology Entrepreneurship
- Dale Carnegie Leadership Training

Coursework

- Computer Systems, Object Oriented Programming, Data Science, Web Development, Engineering Design and Development, Algorithms and Discrete Structures, Opportunity Analysis in Tech Ventures

Skills

Languages/Frameworks: Python, Java, C, MATLAB, R, React, Flask, Ruby, SQL, OCaml
Software/Tools: Unix, Git, Jira, Confluence, Pandas, AWS S3, Docker, Hadoop, Solid Works

Experience

Terrapin Works (UMD School of Engineering) , Software Engineer (2017-2019)

- Working on a mobile ballistics identification application that organizes and automates the collection of data for a cloud based database (AWS)
- Creating an internal portal for professional development with support from current employees and alumni in the workforce (React)
- Developed code for various client's embedded systems projects (C)
- Train new employees on software and hardware onboarding
- Oversees and facilitates the use of prototyping and manufacturing equipment

YMCA, Science Specialty Camp Leader (Summer 2017)

- Created and delivered themed experiments and activities for students

La Plata Residence Hall Association - Vice President of Administration (2016-2017)

- Organized events and activities for fellow peers and community members

Arium AE, Research Internship (2015-2016)

- Created a report on the feasibility of an integrated engineering and architectural firm with modern technologies in the workplace and field

Projects

Coffee Research - (Python) created linear regression models on arabica coffee bean data related to climate and altitude
Life Expectancy Research - (Python) comparison of life expectancy through different continents
C Shell - Created (C) a shell that could have commands input and executed
Marble Sorter - Programmed (Robot C) a machine to sort marbles based on physical and chemical properties