Aakash K. Balaji

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EDUCATION

University of Connecticut (UConn), Storrs, CT

Bachelor of Science in Engineering, Computer Science and Engineering   May 2020
Spring 2018 Dean's List Scholar
GPA: 3.38/4.00

SKILLS

Languages: Python, HTML/CSS/Javascript, Java, VBA, C, Scheme, Prolog
Frameworks/Libraries/Databases: React Native, React JS, Android, Node Js/Express, MongoDB, Redis
Cloud Platforms: AWS (Amazon Web Services), GCP (Google Cloud Platform)

INTERNSHIP EXPERIENCE

Cigna, Bloomfield, CT

Backend Architect Intern   September 2018 – Present
- Utilize MongoDB, Node Js, and Express to develop a comprehensive backend for a leaderboard system

Software Architect Intern   January 2018 – August 2018
- Developed a cross-platform mobile application, connected to a provider information database on a distributed ledger, using JavaScript and React Native
- Developed a voice navigation feature for an android application using Java, Python, and Tensor Flow

Xamax Industries, Seymour, CT

Software Engineer   December 2016 - August 2017
- Developed a program that automates material testing tasks to increase company efficiency using Python and VBA
- Worked closely with colleagues to expand and innovate data management systems via MS Access
- Developed a proprietary system that eliminated need for third party software, therefore, decreasing annual costs

UConn Department of Transportation, UConn, Storrs, CT

Software Engineer   January 2017 - May 2017
- Developed a GUI for a traffic data collection tool using Python

HACKATHONS AND ACTIVITIES

UHack, University of Hartford, West Hartford, CT

First Place Winner   November 2018
- Built a creative social media application, based on collaborative drawing, from scratch, within 48 hours
- Utilized and expanded JavaScript/Android Studio knowledge to place first at a hackathon

Hamp Hack, Hampshire College, Amherst, MA

Category Winner   April 2017
- Worked with team to brainstorm, design and code a project in 24 hours
- Learned Android Studio and Google Mobile Vision API to program an android application that allows users to find books in a library by simply scanning a QR code

First Robotics Competitions, Hartford, CT

Awards: 1991 Top Senior   June 2016
Programming Lead/Programmer   September 2012 - June 2016
- Co-led and managed a robotics programming team by mentoring younger students, deciding on specifications for the robot and collaborating with the electrical and mechanical teams to establish a smooth workflow
- Designed, programmed, and structured a robot, that can traverse through various traps while shooting balls into a goal, with fellow leaders using Java
- Planned and strategized with a team of students for robotics competitions

PERSONAL PROJECTS

DropBoard - Startup

Frontend Developer/ Growth Strategist   November 2017 - August 2018
- Developed a business based on a hackathon project and released it to 25 alpha testers
- Built a functional, drawing based social media application using JavaScript and React Native
- Originally used AWS and then migrated to GCP to architect a real-time backend

Home Control   June 2017 - August 2017
- Automated home lights to work with Alexa using skills in Python, electronics, and Internet of Things (IoT)