YASH BOLISETTY

RESEARCHER && DEVELOPER

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WORK EXPERIENCE

Harvard SEAS DASLab
Summer 2016-Present

Research Intern
- Implemented a Reinforcement Learning System using the Q-Learning and SARSA algorithms to help better visualize data in Virtual Reality using Unity
- Performed experimentation to find ideal alpha, epsilon, and gamma parameters for optimal reinforcement learning

A-List Empire
November 2015-Present

Cofounder/Developer
- An all in one collaborative social media environment to create user-friendly videos, music, and education resources
- Helped create the frontend and backend infrastructure using MySQL and implemented a search algorithm for both Youtube and Alist Videos

HopData
September 2015-March 2016

Full Stack Developer Intern
- Restructured website front end and helped integrate machine learning models with simple web requests
- Worked on Datatype Detection within the models and nesting various algorithms to increase processing speed

Data Hawk Technologies
Summer 2015

Web/Product Developer
- Created search algorithm for web application which allows companies to scout the most disruptive social media users and pay them for advertising

SKILLS

Java, Python, JavaScript, Swift, HTML/CSS, MySQL, WordPress, Algorithmic Thinking, and Design

EDUCATION

Thomas Jefferson High School for Science and Technology

Graduating May 2018
4.0 GPA

Relevant Coursework: AP Computer Science Data Structures, Artificial Intelligence 1 and 2, Mobile and Web App Development

ACTIVITIES

USA Computing Olympiad
International coding contest where I compete in the Platinum Division.

Codeducate
Currently an Executive Director for this organization which teaches various programming languages to hundreds of children.

Hackathons
I have participated in 3 and have won Best Hack at HackNC and Top 10 at Pilot DC

RESEARCH

Brain Controlled Exoskeleton
- The implementation of RBF kernel support vector machine classifiers with discrete wavelet transform on an electroencephalographically controlled, finite elementally analyzed, and PID stabilized exoskeleton.

Machine Learning for profit maximization
- Implementing a computer decision support system utilizing polarity trend analysis and data mining techniques for multi-objective profit maximization tasks.

PERSONAL PROJECTS

Augment
User utilizes MYO armband to point and identify any object using the CloudSight API, whose details are projected

FirstResponder
Vitals detection hardware attached to person alerts medics and drone of user's coordinates.

Simplify
iOS app which creates deep-linked shortcuts for actions such as texting, music, videos, emails, and enables computer-phone file transactions.