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Ash Bhimasani

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Objective

I am a Sophomore CS student seeking a summer internship in a technology related field. My interests lie primarily in Data Science, AI/ Machine Learning, Finance, Mobile Development, and UI/UX. I'm looking to expand my skill sets in a work environment to complement my course work and enhance my entrepreneurial capabilities.

Education

Georgia Institute of Technology: College of Computing

- Bachelor of Science in Computer Science

Aug 2016 – May 2020
Atlanta, GA

Experience

Appsketiers

Full-Stack iOS & UI/UX Developer

- Working under Appsketiers Development company with freelance team to provide UI/UX design work and Full-Stack development work for client-specific projects ranging from web applications to mobile applications for both iOS and Android
- Work with a range of tools including Swift, Firebase, Node.js, Amazon EC2, Google Maps API, etc.

Aug 2017 – Present
Atlanta, GA

Drexel ExCITE Center

MET Lab Intern

- Worked under Dr. Youngmoo E. Kim with Drexel STAR Scholars on a variety of multidisciplinary research projects.
- Worked on the Humanoid Robot project (HUBO) as a collaboration between Drexel, MIT, Penn, and KAIST. Tasks included 3D printing parts and fixing problematic mechanical and software bugs.
- Applied machine learning and computer vision on a Parrot AR Drone project to choreograph multiple quadcopters to dance in sync.
- Utilized Max MSP to design an automatic light show for Drexel's Magnetic Resonator Piano.

Jul 2015 – Aug 2015
Philadelphia, PA

Lockheed Martin Space Systems

Engineering Department Intern

- Worked under Gregory J. Staszowski examining aspects of the engineering workplace and technical roles of different engineers. Participated in ideation, prototyping, and client meetings.
- Worked with the Falcon engineering team on designing a hypersonic communications systems capable at Mach 20 speeds. Worked with Rapid Prototyping team to optimize printing performance.

Jul 2015 – Aug 2015
King of Prussia, PA

Projects

Selene: Cryptocurrency Portfolio Management App

- Mobile and web application to allow cryptocurrency holders to calculate profit, average price per coin, and track portfolio growth by automatically scraping order details from exchanges.
- Currently working to debut iOS app and developing user-2-user shapeshift transactions.
- Tools I used include Swift 4, Vue.js, Firebase, Bittrex API, Gemini API, and CryptoCompare API.

Jul 2017 – Present

Cryptocurrency Algorithmic Trader

- Lightweight Python bots to execute high speed trades based on currency specific patterns.
- Leveraging Bittrex API to provide price indexing and trigger buy/sell orders on exchange.

Jul 2017 – Present

Cycle3D

- Open source 3D printing project focused on designing and prototyping new hardware that can granulate, reuse, and recycle plastics for 3D printing to reduce cost and environmental impact.
- Tools I used include Arduino, Repetier, SolidWorks, Cura, and a customized 3D printer.

2015 – 2016

Accomplishments

Bloomberg Code B Stock Algorithm Hackathon

- Implemented an algorithm to determine highest dividend payout along with trace of highest bid/ask ratio. Placed as Top 5 Algorithm during live competition.

Jan 2017

Skills

- **Skills & Tools:** Python, Java, Swift 4, Android, JavaScript, Node.js, Firebase, Electron, Vue.js, Bootstrap, Sketch
- **Coursework:** Design & Analysis of Algorithms, Data Structures & Algorithms, Intro to Artificial Intelligence, Objects & Design, Core Computer Organization & Programming