Amaresh "Ankit" Siva

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OBJECTIVE
To gain experience in software engineering or data science for Spring or Summer 2019.

EDUCATION & HONORS

GEORGIA INSTITUTE OF TECHNOLOGY   **Atlanta, Georgia**
Bachelor of Science in Computer Science, May 2020   *August 2016 – Present*
- Threads: Intelligence & Theory
- GPA: 3.93
- Dean's List
- Awarded Faculty Honors by Georgia Tech for achieving perfect GPA, academic year 2016-17

Coding Languages: Java, Python, C++, C, SQL (MySQL), JavaScript, Scala, Ruby.

EXPERIENCE

H Milton Stewart School of Industrial & Systems Engineering   **Atlanta, Georgia**
Research Assistant   *January 2018 – Present*
- Verifying theoretical bounds of machine learning on differentially private systems

Minnesota Extensible Language Tools (MELT) Lab   **Minneapolis, Minnesota**
Research Assistant   *May 2017 – August 2017*
- Created a data science language based on Linear and Tensor algebra operations
- Designed the syntax, semantics and features of the language extension
- Coded in C and Silver (an open-source functional language)
- Implemented efficient n-dimensional matrix and tensor operations
- Added documentation and tutorial guides for new users for the project as a whole
- Containerized dev-environment with Docker for hassle-free set-up, development and testing, with CI integration

WiredIn   **Bangalore, India**
CFO/COO, Head of Backend Development   *December 2013 – March 2015*
- Co-founded a startup in high school that tried solving the communication gap in Indian high-schools
- Placed fourth at Microsoft Startup Weekend: only high school team in the contest of 20 teams
- Garnered monetary support of $60,000 from Microsoft to use the Azure cloud platform as a BizSpark+ company
- Built the backend service with Ruby on Rails, MySQL and Windows Azure
- Launched product at YourStory Launch Friday, alongside Uber India and IBM BlueMix India; presented at Target

PROJECTS
- Built a reliable real-time person tracker with OpenCV and Python for HackGT 2017
- Building a virtual shopping assistant that incorporates natural language processing, Google Assistant and Facebook Messenger to aid users at supermarkets such as Target and Walmart with JavaScript, Node.js and Express.js
- Worked on the telemetry system for Georgia Tech Solar Racing using Node.js, MongoDB, JavaScript and HTML5
- Submitted a smart course scheduling app to HackGT 2016 built on Python, Flask and HTML5

SKILLS & INTERESTS

Technologies: Linux (Ubuntu, Debian and CentOS), Node.js, Docker, Flask, Django, Rails, Azure, AWS, GCP, api.ai, working knowledge of MongoDB and Cassandra

Languages: Tamil (native), Hindi (fluent), Kannada (conversational)

Activities: KNIT Mentor, Badminton, Georgia Tech Solar Racing, Big-O Theory CS Club, Mentoring High School Start-ups, Foreign Language and Concept Films, and Quizzing