Vamsee Gangaram

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Objective

To obtain a summer 2017 software development internship.

Education

Georgia Institute of Technology, Atlanta, GA — August 2016 - Present
Bachelor of Science in Computer Science — Expected Graduation: May 2020

- Threads: Devices, Intelligence
- Freshman CS and Math courses: Introduction to Computer Science, Introduction to Object Oriented Programming, Discrete Mathematics, Integral Calculus and Linear Algebra

Mira Loma High School, Sacramento, CA — August 2012 – May 2016
Valedictorian with IB Diploma

- GPA Weighted: 4.64

Skills

Languages: Python, HTML5, Swift, ROBOTC, Objective-C and Java
Applications: Visual Studio, AutoCAD, matlab
Operating Systems: Macintosh, Windows

Research

Cybersecurity research with NYU Poly — July 2015 – September 2016
Computer Science Summer Internship, New York City, NY

- Investigated authentication schemes for wearable devices and proposed a novel rhythmic tap based authentication for smart watches. Implemented it on Apple Watch OS 2.0 and another scheme (finger-drawn PIN) on AndroidWear.
- Attended lectures on latest advances in Cyber security in a 6 week summer internship.

Projects

Lend Formal Web Service — August 2016 – Present

- Currently developing a web based service that will facilitate peer to peer lending of formal clothes. Front end coded using HTML5 and CSS, using Django web framework to connect front end to back end.

Ridemates- Carpooling app — June 2013 – September 2013

- Developed Carpooling mobile app in HTML5 using Amazon AWS cloud to aid carpooling to and from school.

VEX Robotics — August 2014 – May 2016

- Led high school team to build and compete in VEX Robotics competitions. Qualified to and won awards at VEX world championships tournament every year.
- Used ROBOTC extensively to program PID control and sensors such as potentiometer, gyroscope, and encoders.
- Ranked 3rd in the world for driving skills and 3rd in the world for programming skills out of 10,000 teams.

Nonstop High Speed Rail — August 2012 – January 2013

- Won 1st place and cash prize at Sacramento Regional Science Fair and competed in California State Science Fair. Created models and simulations for novel approach to decreasing travel times of High speed rail.

Leadership

IOS Club (member) — August 2016 - Present
Robotics Team/Club (President) — August 2012 – May 2016
Social Innovation Club (Founder/President) — August 2015 – May 2016