

# Srinidhi P. Krishnamurthy

SOFTWARE ENGINEER · STUDENT

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“Everyone has the same 24 hours each day. Do something unique with yours.”

## Education

### Thomas Jefferson High School for Science and Technology

HIGH SCHOOL

Alexandria, Virginia

September 2014 - PRESENT

## Experience

### A-List Empire

HEAD SOFTWARE ENGINEER & CO-FOUNDER

Herndon, Virginia

June 2015 - PRESENT

- A-List Empire is a start up company and a social media platform that facilitates collaboration and sharing of multimedia
- Oversee the technical work and see how the latest research and technologies can be applied to the project
- Work extensively on architecture and back end design

### Education Online Inc.

RESEARCHER

Herndon, Virginia

June 2014 - August 2014

- Worked on a research project involving artificial intelligence and interactive television technology

### DataHawk Technologies

iOS DEVELOPMENT INTERN

North Palm Beach, Florida

June 2013 - August 2013

- Worked on a wearable technology hardware accessory for the iOS platform and developed the iOS app needed to use the hardware

## Skills

Proficient <b>Java</b> ,	2013 - PRESENT
Proficient <b>C/C++/Objective C/Swift</b> ,	2012 - PRESENT
Good <b>Python</b> ,	2014 - PRESENT
Proficient <b>Shell and Bash</b> ,	2013 - PRESENT
Good <b>HTML/CSS/JS</b> ,	2014 - PRESENT
Good <b>MongoDB</b> ,	2015 - PRESENT
Good <b>MySQL</b> ,	2015 - PRESENT
Proficient <b>PostgreSQL</b> ,	2015 - PRESENT
Limited <b>MonetDB</b> ,	2016 - PRESENT

## Accomplishments

### Apple WWDC Student Scholarship Recipient

iOS DEVELOPMENT

San Francisco, California

June 2015 and June 2014

- I was one of the 150 students selected internationally to win the Apple WWDC Student Scholarship from Apple based on iOS and Mac OS development.
- Along with the writing portion, there was an app submission portion.
- I won the scholarship twice, both in 2014 and 2015

### HackTJ 2015: Top 10

HACKATHON

Alexandria, Virginia

March 2015

- Created an application that allowed one to perform tasks on their computer through text-messaging and voice
- Used MongoDB and Firebase

## HackNC 2015: Hacker's Choice Award

Chapel Hill, North Carolina

HACKATHON

October 2014

- Created an application that allowed students to store notes and lectures using OCR and voice recognition

## DCHacks 2015: 4th Place, Honorable Mention

Tysons Corner, Virginia

HACKATHON

June 2015

- Created an application that allowed for users to create sets of actions to be performed in sequence. Allowed for extensive automation.

## ACSL Competiton: 1st Place Individually

Virginia

COMPETITIVE PROGRAMMING

May 2015

- One of the few students who got a perfect score throughout the school year and at the international All-Star competition

## eCybermission: 1st Place in State

Virginia

COMPETITION

March 2015

- Created the "First Responder" which will send a signal to the paramedics when a user's vital signs have faltered.

## eCybermission: 2st Place in State

Virginia

COMPETITION

March 2015

- Created the "All in One Car System" which allows for detection of a distracted driver in the car using face tracking

## Publications

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### Next-Generation Interactive, Educational Television: Using Artificial Intelligence and the Internet to Customize Instruction to Student Learning Needs

Cogent Education

RESEARCHER

Being prepared for publication

- I am currently working on a professional level research paper along with a scientist from Yale University.
- This project uses artificial intelligence software and the Internet to create an interactive educational television technology to teach math.
- The technology was successfully tested at Spotswood Schools in New Jersey to compare interactive technology with traditional broadcast TV.
- The paper is now being prepared for publication in a scientific journal where I will be listed as a co-author.

## [Github] Projects

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2015	<b>Mighty Mouse OpenCV game</b> , Head Tracking Game	Virginia
2015	<b>PresPredict</b> , Predicting Presidential Election Through Twitter	Virginia
2015	<b>ilioTway</b> , Using PigLatin and Automated Text messaging	Virginia
2015	<b>Augment</b> , Augmented Reality hardware device	Virginia
2015	<b>Assembly Line</b> , Application	Virginia