

# KEIRTH SIVARAJAH

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## OBJECTIVE

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I aim to gain a technical internship within the field of computer engineering where I can learn new skills, and offer my innovative mind and skills to positively impact the work environment.

## EDUCATION

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### Texas A&M University

- Computer engineering
- Special, TI Sponsored Engineering class
- C++ programming

### Heritage High School

- Graduation Date: June 2016
- Java and Swift programming

### Collin College - Extended Education

- Cisco Networking (CCNA 3 & 4)
- IOS App Development Course

## EXPERIENCE

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### Code Authority

Summer 2016

#### *Paid Internship*

- Developed front end of companies new website, learned new web design languages and content management systems.

### Duncan Macfarlane Ph.D.

December 2014-August 2015

#### *Engineering Mentorship/Paid Internship*

- Mentorship under electrical engineering professor of UTD and worked on optics research alongside Ph.D. students.

### Code Authority

Summer 2014

#### *Paid Internship*

- Part of dynamic web development team, where I co-developed applications for small and medium sized businesses. (Ex. <http://www.collegefootballplayoff.com>)

## ACHIEVEMENTS AND AWARDS

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### Provisional Patent Filed

February 2014 - Present

*Filed a provisional patent for a device I co-invented with my brother, called the First Response Detector (FRD). Created using open source hardware, the FRD detects approaching emergency vehicles and alerts civilian drivers, thus allowing the civilians to move out of the way faster, thus clearing the path for emergency vehicles to get to their destination quicker. We have created the prototype of the device, and are now working towards the final product.*

## SKILLS

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**Technical:** Java, Swift, C++, mobile app development, Graphics and Animations using Photoshop, marketing publications using InDesign, and Web design using Dream Weaver, HTML, CSS3, Arduino Programming, Energia

**Professional:**

- Able to identify real world problem and find engineering solutions
- Invent innovative ideas into actual products
- Protect my ideas by filing patents
- Conduct research and focus learning of field of engineering

## AFFILIATIONS AND ACTIVITIES

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|-------------------------------------|--------------|
| • Heritage High School Soccer       | 2012-Present |
| • Independent Study and Mentorship  | 2014-2015    |
| • Business Professionals of America | 2012-2017    |
| • IEEE                              | 2016-2017    |

## COMMUNITY SERVICE

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|---|----------------|
| • Founded Youth Penny Drive Association   | 2013 – Ongoing |
| • <i>Raided \$500 and donated to Autism Foundation through International Medical Health Organization (IMHO)</i> |                |
| • Judge for Young Entrepreneurs Academy Regional Competition  | 2014           |
| • The Big Event   | 2017           |

## CONFERENCE

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|--|----------------|
| Business Professionals of America                | 2013 – Present |
| • State Leadership Conference in Houston         | 2013           |
| • State Leadership Conference in Houston         | 2014           |
| • National Leadership Conference in Indianapolis | 2014           |
| • State Leadership Conference in Dallas          | 2015           |
| • National Leadership Conference in Anaheim      | 2015           |
| Texas Career Education Conference                | 2014-2015      |
| • TCEC in Houston                                | 2014           |
| • TCEC in Fort Worth                             | 2015           |
| Big Communication Event (Austin, Texas)          | August 2017    |