

# Karthick Shankar

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## OBJECTIVE

To acquire internships in the field of computer engineering.

## EDUCATION

### PURDUE UNIVERSITY

West Lafayette, IN, USA  
BSc. Computer Engineering  
GPA: 4.0/4.0  
Dean's List | Semester Honors  
Expected May 2020

### OUR OWN HIGH SCHOOL

Al Warqa'a, Dubai, UAE  
Central Board of Secondary Education  
GPA: 4.0/4.0  
Graduated March 2016 | Salutatorian

## LINKS

Portfolio: [//karthick.io](http://karthick.io)  
Github: [//maestorme](https://github.com/maestorme)  
LinkedIn: [//karthick-sh](https://www.linkedin.com/in/karthick-sh)

## SKILLS

(Advanced Skills in Bold)

### Programming:

JavaScript • Python • C • MATLAB •

### Web Development:

HTML5 • CSS3 • JQuery • SQL •  
MongoDB • Express • Angularjs •  
Nodejs • Chrome Extensions •

### Software:

Photoshop • Sony Vegas Pro •  
Cinema 4D • Illustrator • After Effects •  
Solidworks • CATIA • Blender •

### Engineering:

3D Printing • Arduino • CNC Milling •  
Computer Aided Manufacture •  
Circuits.io • Woodworking •

## AWARDS & HONORS

Eli Shay Scholarship	2017
Dean's List	2016-17
Semester Honors	2016-17
4th Place (HW Programming)	2016
Salutatorian	2016
Mathematics Topper	2016
All Rounder Award	2016
F1 in Schools Nationals	2015
• 2nd Place Outright	
• Best Portfolio & Best Pit Display	
Speaker at a TEDx Conference	2015

## INTERESTS

Programming • Attending Hackathons •  
Machine Learning • Electronics •  
Graphic Designing • Video Editing •  
Building Websites • Piano • Guitar •  
Drums • Public Speaking • Cricket •

## EXPERIENCE

### RELIABLE AUTOMATIC DOORS SYSTEMS | IT Engineering Intern

May 2017 - August 2017 | Dubai, UAE

- Collaborated with the Information Technology department to set up new server management methods and maintain the company website.
- Worked with the 'Installation' team to learn about how automatic doors and remotes work and gained hands-on experience with remote circuits.

### PURDUE UNIVERSITY | EPICS Teaching Assistant

January 2017 - Present | West Lafayette, IN

- Worked in an engineering laboratory and managed all the technical equipment (3D Printers, Mitre Saws, Microcontrollers etc.)
- Helped students learn about electronic prototyping and design cycles.

### EPICS | Design Lead & Lead Systems Integrator

August 2016 - Present | West Lafayette, IN

- EPICS - Engineering Projects in Community Service
- Partnered with VIT University in Vellore to explore the realm of fluid mechanics and provide farming and water management solutions for farmers in Javadi Hills, Vellore to impact and change their lives.
- Utilized strong leadership and interpersonal skills to go through the design cycle similar to a real company.

### PURDUE UNIVERSITY | Physics Teaching Assistant

January 2017 - May 2017 | West Lafayette, IN

- Worked in a physics laboratory to teach 3 classes (~60 undergraduate students each) various principles of mechanics and thermodynamics.

### FORMULA ONE IN SCHOOLS | Team Traxeleration

June 2014 - October 2015 | Dubai, UAE

- Worked on an international technology challenge where I built miniature F1 cars using concepts of computational fluid dynamics.
- Acquired sponsorships worth \$10,900 from multinational companies like Nikon, Indomie etc. to build a portfolio and a full scale pit display.

## PROJECTS & ACTIVITIES

### SNIPPY | Snippet Sharing WebApp

June 2017 | <http://github.com/maestorme/snippy>

Built a website using the **MEAN stack** where people can register and share code snippets which can be viewed with a unique id in the URL.

### DEEP DARK| Rogulike Game

May 2017 | <http://github.com/maestorme/deepdark>

Built an HTML5 rogulike dungeon crawler using the **Canvas API**. Generated dungeons on-the-fly using the **depth-first search algorithm** with **recursive backtracking**.

### MY MOVIE LIST| Hello World Hackathon

October 2016 | <http://github.com/maestorme/mymovielist>

Built a website that can track the media you've watched (Movies / TV Shows) using various APIs. Designed a minimalistic front-end that displays the list.

### HERIOT WATT PROGRAMMING| Mass Programming Event

February 2016

Won 4th place at a programming event where hundreds of students were given a lot of challenging coding tasks.

### PUBLIC SPEAKING & DEBATING CLUB| Founder / President

October 2015

- Founded a club that encouraged debating in my highschool.
- Spoke at a **TEDx conference** about the insignificance of our identity.