

# ISRAEL KINFU

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## EDUCATION

University of Maryland, College Park, MD  
**B.S. Electrical Engineering**

**Expected- Dec. 2018**  
**GPA: 2.8/4.0**

## TECHNICAL/ENGINEERING EXPERIENCE

### **Smart Mirror Project using Python-Team Member**

**March 2016**

- Established smooth face tracking on the mirror
- Voice control that displays calendar and weather
- Display a .PNG image on the mirror

### **Applications of Raspberry Pi and Arduino Project- Team Member**

**November 2014**

- Showcased DIY mini arcade using Python language on Raspberry-Pi
- Designed mini solar powered USB power bank that displays the current and voltage using Arduino microcontroller
- Presented the project to Maryland Collegiate STEM Conference

### **Boe-Bot Robot Project- Team member**

**May 2012**

- Designed a boe-bot that was able to follow a wave-like black line, picked up a colored ball, and traveled to a bin that corresponded to the color of the ball.
- Composed and presented a PowerPoint presentation summarizing design process.

## WORK EXPERIENCE

### **UMD Department of Electrical Engineering**

**Sept.2016- Present**

#### *Technical Operations Student Worker*

- Assisted the lab managers and Professors in setting undergraduate electrical engineering laboratory.
- Tested and troubleshoot electrical equipment's with electronic tools and software.

### **Johns Hopkins University**

**May 2016- Present**

#### *Juxtopia Llc Intern*

- Worked on AR Goggles and Software systems with leading Professional Software and Hardware Engineers.
- Used Programming Languages such as Python, JAVA and C++ to solve engineering problems.

### **University of Maryland College Park: DOTS Shuttle driver**

**June 2015 – May 2016**

- Transport people from one place to another on a transit bus.

### **Montgomery College: Mathematics and Electrical Engineering tutor**

**Feb. 2015 – May 2015**

- Assisted students in Calculus, Algebra I&II and Geometry as well as Electrical Engineering courses.

### **Montgomery College: Office Assistant**

**Jan. 2013 –Feb. 2015**

- Received employee of the year 2013-2014 Award

## ACTIVITIES AND AFFILIATIONS

Engineers Without Borders (EWB)

**October 2014-Present**

Institute of Electrical and Electronic Engineers (IEEE)

**September 2015-Present**

University of Maryland Virtual Reality Club (UMD VR Club)

**October 2015-September 2016**

Terps Racing( Formula one and Baja racing team)

**August 2016-Present**

## COTMPUTER SKILLS

**Languages:** Verilog, C/C++, Python, Java

**Software:** MATLAB, OrCAD Pspice, Altium Designer, AutoCAD, Blender,Pro/ENGINEER, PTC Creo, SketchUp, Adobe Photoshop

**Platforms:** Unix/Linux, Windows (XP, Vista, 7/8/10), Chrome OS