

# ERICH MEISSNER

(301)-793-3078 ♦ me@erichmeissner.com ♦ 9701 Culver St, Kensington, MD 20895

## EDUCATION

### University of Maryland, College Park

**Cumulative GPA: 3.904**

James A. Clark School of Engineering, B.S. Electrical Engineering,  
Computer Engineering Minor, Technology Entrepreneurship Minor

*Graduated May 2018*

### FAES @ NIH Graduate School

*September 2018 – December 2018*

- Applied Machine Learning with Python course including regression, classification, clustering, deep learning, and more

**Proficient in:** Autodesk Inventor CAD software, Matlab, Tableau, Salesforce, MS Excel (VBA and Macros), UNIX

**Skilled in:** R, Python, JavaScript (D3), C, HTML & CSS, CircuitLab Simulator, Java, SQL, PHP, LabVIEW

## WORK EXPERIENCE

### Deloitte -- Insight Studio Data Science

**Arlington, VA**

*Tech Summer Scholar*

*May 2017– August 2017*

- Completed a smart city dashboard using D3.js, Ruby on Rails, and R to visualize Washington D.C. data on crime, traffic, education, demographics, transportation, and economic development for Mayor Muriel Bowser
- Developed sentiment analysis using a Support Vector Machine (SVM) learning technique in Python with input from Facebook, Twitter, Reddit, etc... to gauge consumer attitudes for federal and commercial clients

### Joint Global Change Research Institute -- a Battelle and UMD joint institute

**Riverdale, MD**

*Tech Student Intern*

*June 2016 – September 2016*

- Read in 3.4 terabytes of USDA crop and livestock production data to translate into carbon flux and determine the carbon cycling relationship of predominant American agriculture at the county level

### Synaptic Advisory Partners, LLC

**Annapolis, MD**

*Associate Developer Intern*

*June 2015 – October 2015*

- Programmed integration between QuickBooks and Salesforce using their APIs, Java, and Apache ETL tools which saves team and clients thousands of dollars in idle and processing time
- Developed and implemented an HTML web scraper using Python library to identify high-value targets for the team

### SpaceX Hyperloop Competition

**College Park, MD**

*UMD - Electric Systems Team*

*September 2015 – May 2017*

- Advanced as one of 22 teams to test prototyped pods on SpaceX's Hawthorne, CA test track (1300 initial proposals)
- Drafted Computer-Aided Design (CAD) sketches for low-power implementation of 350kWh battery for all systems

### NIH's Carnegie Institute of Embryology at Johns Hopkins University

**Baltimore, MD**

*Research Lab Assistant*

*May 2013 – February 2015*

- Assisted Ph.D. scientists with various biological experiments to understand the role of lamin in genome organization

## LEADERSHIP & ACTIVITIES

### Symbiont Health LLC

**Kensington, MD**

*Co-Founder and CEO*

*April 2015 – September 2018*

- Raised about \$100,000 in University and VC grants/awards to develop a fall detection device for elderly patients
- Designed a modular wearable for the wrist, chest, and waist to accurately detect a fall with >92% accuracy

### Student Government Association (SGA)

**College Park, MD**

*School of Engineering Representative*

*May 2015 – January 2017*

- Devised new strategies and fund allocations for engineering clubs and organization as overall enrollment increases

## Honors & Interests

### Full Banneker/Key Scholar and Mentor

**University of Maryland**

*UMD Full Scholarship*

*April 2014 - Present*

- The Banneker/Key Full Scholarship is awarded to the top 0.5% of UMD applicants each year

### National Merit Scholarship

**National Merit Scholarship Corporation**

### Senior Marshal

**University of Maryland**

- Chosen as the most outstanding leader of the School of Engineering and led the graduation procession *May 2018*