

James Mendel

🏠 5000 W 131st Terrace, Leawood KS, 66209
✉ james.mendel@ku.edu • (816) 588-4609
🌐 linkedin.com/in/james-mendel/

EDUCATION

University of Kansas, Lawrence KS

GPA: 3.93

Bachelor of Science in Electrical Engineering

Expected May 2023

- University of Kansas Honors Program
- University of Kansas School of Engineering Honor Roll
- University of Kansas Vann Family Future Leaders Scholarship

2019 - Present

2019 - Present

2019 - Present

EXPERIENCE

Filtronetics, Inc., Kansas City, MO

May 2019 - Jan 2020

Engineering Technician

Internship

- Thoroughly tested batches of various RF filter technologies, including Mini-Monolithic, Saw, and Ceramic, to ensure they were within specification - ~45 filters/hr
- Followed testing procedure which involved carefully operating and interpreting readings from Agilent spectrum analyzer and logging the results for traceability
- Accelerated logging process by designing custom automated Excel spreadsheets and macros bringing down time spent on data entry by as much as 50%

YRC Worldwide, Leawood, KS

Jun 2018 - Aug 2018

Student System Engineer Assistant

Full Time

- Assisted the Field Mobility Team responsible for all wireless communication devices used by freight drivers and at shipping terminals
- Repaired damaged business critical devices sent in for repair by utilizing technical expertise to diagnose the issue
- Documented comprehensive steps detailing the issue's resolution for future reference

Code Ninjas, Leawood, KS

Jan 2018 - May 2019

Code Sensei (Supplementary Instructor)

Part-Time

- Worked with groups of 10-20 children ages 7-14 to advance their knowledge of programming languages including Python, JavaScript, and Scratch
- Cultivated the development of industry standard programming techniques by introducing and reinforcing core concepts early on

Center for Advanced Professional Studies, Overland Park, KS

Aug 2017 - Jan 2019

Engineering

Student / Part-Time

- Consulted with various clients to turn their ideas into physical objects, designed and fabricated parts using 3D printers, upright mills, CNC machines, and laser cutters
- Completed real-world interdisciplinary projects using industry standard engineering tools including Autodesk's Fusion 360, Inventor and Eagle

Filtronetics, Inc., Kansas City, MO

Apr 2016 - May 2019

Web Development & Additive Manufacturing

Independent Contractor

- Overhauled website frontend and backend for better user experience
- Expedited manufacturing process by designing and manufacturing jigs in Autodesk Inventor

ACTIVITIES

- **Rampage Wired Newspaper, Webmaster** 2015-2019
- **Boy Scouts of America, Earned the rank of Eagle, Webmaster** 2011-2018
- **Varsity Soccer, Two-year letter recipient, Most Improved Player 2017** 2017, 2018
- **High School Science Dept., Assisted in purchase of 3D Printer for Science Lab, Built printer, Served as technology assistant for K-12** 2016