Eric Saidnawey

esaidnawey@gwu.edu - EricSaidnawey.com
Clearance Status: Secret

EDUCATION

George Washington University, Washington DC
Bachelor of Science in Mechanical Engineering
Expected Graduation: May 2022. GPA: 3.44

TECHNICAL SKILLS

Python, LaTeX, AGI STK, SOLIDWORKS, Solid Edge, AutoCAD, HTML, CSS, Multisim, Microsoft Office Products, MATLAB, Machine Shop

WORK EXPERIENCE

SEAS Undergraduate Student Affairs *Python Learning Assistant, Washington, DC   Aug 2020 - Present*
- Assisted a teacher in running her virtual python class by teaching small breakout groups.
- Held weekly office hours to answer student's questions.

Northrop Grumman Corporation *Technical Intern, Azusa, CA*   *Jun 2020 - Aug 2020*
- Utilized AGI STK to model different scenarios of satellite constellations.
- Used python to create simulations that optimized and recommended different types of satellite orbit transfers, reducing the need for expensive AGI STK licenses.
- Presented project results to a hybrid virtual/in-person audience, including upper management
- Assisted with inputs to a Spacecraft-Payload integration test plan

Belmont Little League Umpiring *Umpire, Belmont, MA_____*   *Jun 2015 - Jun 2019*
- Maintained civility in little league games by communicating with coaches and players.

Pemberton Farms Garden Center *Garden Specialist, Cambridge, MA*   *Dec 2015 - Dec 2018*
- Advised customers in deciding on plants selection and garden maintenance.

TECHNICAL PROJECTS

Portable Speaker
- Used operational amplifiers, resistors, and capacitors to make a filter and signal amplifier.
- Used a bluetooth receiver, isolation module, power regulator, amplifier, and audio exciters to build a large omnidirectional speaker.

Python Data Analysis
- Used linear algebra and differential equations in python to analyze Markov chains, pageranks, population growth, projectile motion, spring-mass system behaviors, and resonance.

COMMUNITY SERVICE

SEAS Undergraduate Student Affairs SEAS Together Tutor*, Washington, DC   Sep. 2020 - Present*
- Upon request, met with first-year students virtually to tutor CALC I, II, and III

Special Programs Organized for Recreation Time *Coach, Belmont, MA   Nov. 2013 - Jan. 2018*
- Trained and ran practices in various sports for people with physical and mental disabilities.
- Encouraged players to work their hardest and be good team players.

Belmont Youth Basketball Association *Coach, Belmont MA*   *Dec. 2015 - Dec. 2017*
- Coached 5th through 8th graders through practices and games.
- Built leadership skills by working hard to maximize the player's potential.

EXTRA-CURRICULAR ACTIVITIES

GW Design, Build, Fly: Airplane Race Club *Design and Manufacturing, GW   Dec. 2019 - present*
- Joined propulsion and manufacturing teams to build a new airplane for competitions.