Mitchell A. Robson

Marblehead, MA · (781) 576-0282 · [discovertheuniverse@gmail.com](mailto:discovertheuniverse@gmail.com) · LinkedIn.com/in/mitchell-robson

SUMMARY

Recent physics and engineering graduate from UChicago looking to apply my research background and quantitative skills to a career in the private sector.

EDUCATION

**BA, Physics/BS, Molecular Engineering. 2020-2024**

UNIVERSITY OF CHICAGO, CHICAGO, IL

*GPA: 3.72/4.0; Select Courses: Quantum Mechanics, Quantum Lab, Thermodynamics, Quantum Computing, Statistical/Thermal Physics, Experimental Physics, Engineering Design, & Transport Phenomena*

RESEARCH & VOLUNTEERISM

**Student Researcher 06/2021-Present**

**MITRE ​​​​​| McLean, VA​​**

* Assisted with advancing cutting-edge energy and EV-related research as part of the MITRE Emerging Technologies program during the summers of 2021, 2022, and 2023.
* Under my mentor, Dr. James Ellenbogen, I researched, analyzed, and evaluated the physics of confined dielectrics and modeled and optimized supercapacitors with applications for EVs—and more.
* Modified an existing, MITRE-developed model optimization procedure for supercapacitors to reflect the underlying physics of granular carbon material.

**Student Intern 10/2023-03/2024**

**CSL Behring ​​​​​| Chicago, IL**

* Worked as a student intern in partnership with Illinois-based pharmaceutical company CSL Behring to determine why saturated ammonium sulfate (SAS) was precipitating out of solution during the production process of Berinert, a CSL-developed C1 esterase inhibitor.
* Applied knowledge of thermodynamics, transport phenomena, and physics to provide CSL with actionable process modification recommendations to minimize clogging.

**Personal Tutor 09/2011-Present**

**Robson Enterprises ​​​​​| Marblehead, MA; Hexco Academic | Hunt, TX**

* Robson Enterprises: Freelance tutor since the age of 9 up through the present, where I work one-on-one with students at both a remedial & enrichment level on subjects ranging from math, CS, biology, and Spanish.
* Hexco Academic: From Sept. 2016 until January 2021, worked as a Personal Spelling Coach for a company specializing in preparing students to compete in the Scripps National Spelling Bee, where I placed 7th in 2016.

**Shift Coordinator / Befriender (Volunteer & Paid Staffer) 08/2018-Present**

**Samaritans, Inc. ​​​​​| Boston, MA**

* Render immediate support to individuals in crisis due to suicidal thoughts, emotional distress, or other challenging circumstances, while working in a volunteer capacity for several years prior to promotion.
* Provide training, oversight, and support to a small, dedicated team of volunteers in helping callers.
* Earned the *Mandie Wallinger Award*, granted annually to one Samaritan who “embodies the qualities (…) of compassion, dedication, ambition, constant drive to help those in need.”

ACADEMIC/EXTRACURRICULAR ACHIEVEMENT

Calvin Coolidge Presidential Scholar; 7th Place, 2016 Scripps National Spelling Bee; Eagle Scout; 4th Place, Brain Bee Neuroscience Competition; National Merit Semifinalist; Sonia Schreiber Weitz Human Rights Award; Holocaust Legacy Fellow; Harvard Book Award; National Honor Society; ACT Score: 36/36

PROFESSIONAL SKILLS

Statistical Analysis (Python), Java, JavaScript, Arduino, HTML, Objective-C, Swift, Xcode IDE, R, NumPy, SciPy, Matplotlib, OS (Windows, Mac, Linux), MS Office, Word Processing (72 WPM), COMSOL