
Vladimir I. Coon

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SUMMARY

My desire to research arms, armor, and ballistics goes deeper than a scientific interest in high strain rate systems and is rooted in a desire to preserve freedom and life on both the personal and national level. I have dedicated my career to preserving the lives of both civilians and servicemen. And as a believer in "Peace through Strength," that preservation requires maintaining the United States' technological advantage on the battlefield.

EDUCATION

Texas A&M University, College Station Tx- *Currently enrolled*

August 2021 - Present

Pursuing a *Bachelor of Science in Materials Science and Engineering*. University Honors. Total earned credit hours: 94. Total earned institution hours: 59.

West Anchorage Highschool, Anchorage Ak- *High School Diploma (Summa Cum Laude)*

August 2016 - May 2021

SKILLS

- Scanning Electron Microscopy
- Energy Dispersive X-ray Spectroscopy
- Glove box
- Refractory Etchants
- Vacuum Arc melting
- Particle Size Analysis
- Power Tools
- Excel and Python

WORK EXPERIENCE

Texas A&M Department of Mechanical Engineering, College Station TX- *Student Researcher*

May 2023 - Present

- Developed the strain gauge system for a conventional and miniature Kolsky bar
- Explored low cost gel characterisation techniques

Texas A&M Department of Materials Science & Engineering, College Station Tx- *Student Technician*

April 2022 - May 2023

- Refractory Multi Principal-Element Alloys / PI: Dr. Ibrahim Karaman / Graduate Mentor: Cafer Acemi
- Characterized samples using SEM/EDS thus ensuring that the alloys synthesized by the team were homogeneous solid state solutions of the intended composition
- Helped develop Directed Energy Deposition Printing map for select refractory alloys

AWARDS

National Merit Designee / Texas A&M President's Endowed Scholarship / Eagle Scout / Black Belt / Mathcounts
Alaska State Champion / USAF JROTC Top Performer Recognition / AP Scholar with Distinction

REFERENCES

Personal: Fr. Vasili Hillhouse, Priest of Holy Transfiguration Greek Orthodox Church: iamvasili@gmail.com

Professional: Dr. Ibrahim Karaman, Texas A&M Professor and Department Head: ikaraman@tamu.edu