

Charlie Cameron

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School Address:

Permanent Address:

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Aledo, TX 76008

Charlottesville VA, 22903

EDUCATION

UNIVERSITY OF VIRGINIA, SCHOOL OF ENGINEERING AND APPLIED SCIENCE

Charlottesville, VA

B.S. Mechanical Engineering, with concentration in Aerospace Engineering

May 2011

GPA: 3.15

Related Coursework: Differential Equations, Multivariate Calculus, Statics, Introduction to Mechanical Engineering, Mechanical Engineering Lab, Mechanics Familiarity Lab, Introduction to Engineering, Introduction to Material Science Engineering, Mechatronics, Machine Elements and Fatigue Analysis, Heat and Mass Transfer, Introduction to Chemistry Lab, Thermodynamics, Thermal Fluids Familiarity Lab, Strength of Materials, Dynamics, Fluid Mechanics, Aerospace Structures, Mechanical Systems Modeling, Experimental Methods Lab, Physics-Mechanics, Physics- Electricity & Magnetism

WORK EXPERIENCE

US NAVAL RESEARCH LAB, BEAM PHYSICS BRANCH

Washington D.C.

Intern

2005-06

§ Helped with the design and testing and wrote a research report on an innovative new system to manufacture nanocrystalline powders using microwave radiation, instead of using less efficient conventional heating methods

§ Worked with NASA, and tested a number of different materials and microwave heating methods of coating Reinforced Carbon-Carbon space shuttle tiles with a new protective layer, to shield the vehicle from re-entry heat

§ Wrote technical research papers and gave oral presentations on both projects

STRATFORD RECREATION ASSOCIATION

Alexandria, VA

Head Manager / Lifeguard

2005-08

§ Worked to become the Head Manager for two years after two previous years of lifeguarding

§ Gained valuable personnel and scheduling management skills, as well as public relations experience

SEMINOLE TRAIL VOLUNTEER FIRE DEPARTMENT

Charlottesville, VA

Firefighter / EMT

2008-Present

§ Worked to become the Head Manager for two years after two previous years of lifeguarding

§ Gained valuable personnel and scheduling management skills, as well as public relations experience

TECHNICAL SKILLS

Highly skilled in: MS Word, Power Point, Excel, Autodesk Inventor Professional 2009 (CAD), MathCAD, Mathematica, MiniTab, Computational Fluid Dynamics Software

Languages: Java, C, HTML, PHP, SQL, VBA (Excel), Spin Code

LEADERSHIP and HONORS

Air Force ROTC Full In-State Scholarship Recipient 2007-10

Commander, AFROTC Drill Team 2009-10

Secretary, Society of American Military Engineers 2009-10

Superior Performer, Air Force Field Training