

Local Address

420B N. Main St.
Blacksburg, VA 24060

John W. Gawalt

Jwgawalt@vt.edu
703-963-3779 [Cell]

Permanent Address

6430 Alloway Court
Springfield, VA 22152

EDUCATION**Virginia Polytechnic Institute and State University**

Bachelor of Science in Chemical Engineering

Current GPA 2.98/4.00

Expected Final GPA 3.02/4.00

- *May 2016 Graduation*

West Springfield High School

Advanced Diploma, June 2012

Final GPA 4.08/4.00

TRAINING and CERTIFICATES**SACHe Certificates** (*Completed December 2015*)

Process Safety 101

Inherently Safer Design

Safety in the Chemical Process Industries

Process Safety Lessons Taught from Experience

ENGINEERING and COMPUTER SKILLS**Chemical Process Experience**

Filtration by Filter Press

Batch Distillation

Heat Exchange processes (Shell/Tube & Plate)

Selective Catalytic Reduction

Computer Languages: Python, MATLAB, LABview

Laboratory Equipment Expertise

NMR & UV/VIS Spectroscopy

Gas Chromatography / Mass Spectrometry

Multi-Meters, o-scopes, calorimeters,

Design Software: ASPEN +, Autodesk Inventor

WORK EXPERIENCE

September 2015 – Present: **Student Employee**, Virginia Tech Dining Services, Blacksburg VA

- Developed good rapport with managers as a quick and hard-working grill attendant.
- Proactively assumed extra responsibilities to provide consistent quality of service to our patrons.

June 2014 - January 2015: **Customer Service Representative**, CVS/Pharmacy, Blacksburg VA

- Responsible for handling cash, operating photo center, and attending to all customer needs.
- Received high customer service scores for consistent positive and professional attitude

August 2011 - August 2013: **Assistant Naturalist**, Fairfax County Park Authority, Springfield VA

- Responsible for opening, managing, and closing Hidden Pond Nature Center.
- Managed teams of volunteers in organized park events and activities both on and off site.
- Planned and executed educational youth programs focused around the natural sciences

August 2009 – August 2011: **Handyman**, Fairfax County Park Authority, Springfield VA

- Duties included maintaining on-site facilities, trails, and various other duties as needed.

COMMUNITY and INTERNATIONAL EXPERIENCE**Eagle Scout**

- Involved with scouting from 1998-2011, Eagle Scout rank awarded 2010.
- Planned and executed 100 man-hour project to finalize the memorial garden at my church.

Engineering Study Abroad Program, Danish Technical University, July-August 2015

- Unit Operations Lab. Gained experience with a variety of chemical processing techniques through seven experiments resulting in five formal reports and two oral presentations.

Fluent in German – Participated in German Foreign Exchange Program, 2011

- Hosted a German High School student for two weeks at home in Springfield, VA

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- Hosted by a family in Dortmund, Germany for two weeks
- Selected to attend The Official White House Arrival Ceremony for Chancellor Angela Merkel of Germany as part of an AP German program, June 2011.

Interests

- Hiking, Backpacking, Bass Guitar, 3D modeling, and building/modifying computers.

REFERENCES

Technical/Work References -

Dr. Michael Bortner, **Virginia Polytechnic Institute and State University**, Assistant Professor of Chemical Engineering, mbortner@vt.edu, 540-231-4213

Mr. Mike McCaffrey, **Fairfax County Park Authority**, Site Manager at Hidden Pond Nature Center, 703-451-9588

Personal References -

Mr. Ron Zich, **Headquarters Marine Corps: Command, Control, Communications and Computers Department**, Chief of Staff, ronald.m.zich@usmc.mil, 703-693-3462

Mr. Dale C. Linne von Berg, **US Naval Research Laboratory**, Head Applied Optics Branch, linnevonberg@nrl.navy.mil, 202-767-9576