

















Personal

-  **Address**
944 Whitechapel Rd
29678 Seneca
-  **Phone number**
5402711130
-  **Email**
aback@eagles.bridgewater.edu
-  **Date of birth**
28-09-1998
-  **Place of birth**
Harrisonburg
-  **Gender**
Male
-  **Website**
austinback.me
-  **LinkedIn**
<https://www.linkedin.com/in/austin-back-772950160/>

Interests

-  Hiking
-  Golf
-  Programming
-  Computer building and repair
-  Reading
-  Backyard Telescope

Languages

- Arabic 
- Swedish 

I am a current physics Ph.D. student at Clemson University. My current area of research is AMO(Atom

I hold a B.S. in Physics from Bridgewater College in which I also earned two minors in computer s
performing research or working on programming projects, I enjoy golf, hiking, and playing video gan

I love problem-
solving and I believe that is why I am so drawn to physics and programming because they not only al
also challenge me. To me, there is no better feeling than seeing a project I've been working on for ho

I believe that one of my biggest character strengths is leadership. When I was younger I spent a lo
is where I was able to learn about what it means to be a good leader. I was even accepted to a leader
skills I learned there were able to help me later to become the chapter president of my high school's
president of the physics club at Bridgewater College.

Work experience

Cart Washer Apr 2016 - Aug 2017
City of Harrisonburg, Harrisonburg

- Washed golf carts
- Cleaned up range balls
- Other various task as needed

Team Member Aug 2017 - Apr 2018
Sheetz, Harrisonburg

- Ran cash register
- Prepared food
- Cleaned store

SONIS support Intern May 2017 - Aug 2017
Jenzabar, Harrisonburg

- Helped customers experiencing problems with the SONIS software
- Reported bugs to the dev team
- Educated customers on current and new features
- Created documentation for features

Summer Research Intern Apr 2019 - Jul 2019
Clemson University, Clemson

- Performed research at the Advanced Materials Research Laboratory under Dr. Harell and Dr. Ballato
- Wrote final research paper and presented results to my peers
- Extensive use of SEM and TEM

Cashier Apr 2020 - Jul 2020
Lowe's, Harrisonburg

- Ran register at various locations
- Cleaned and stocked store
- Helped with closing task

Teaching Assistant Aug 2021 - Present
Clemson University, Clemson

- Ran physics labs
- Graded papers
- Assisted students outside of class with homework and labs

Education and Qualifications

Advanced Diploma Aug 2013 - May 2017
Turner Ashby High School, Bridgewater

Bachelors of Science Aug 2017 - Apr 2021
Bridgewater College, Bridgewater

- Minor in Computer Science

- Minor in Mathematics

References

References available on request.

Skills

Microsoft Office Suite	<div><div></div><div></div><div></div><div></div><div></div></div>
Java Programming	<div><div></div><div></div><div></div><div></div><div></div></div>
Web Design	<div><div></div><div></div><div></div><div></div><div></div></div>
Machine Learning	<div><div></div><div></div><div></div><div></div><div></div></div>
Laboratory Skills	<div><div></div><div></div><div></div><div></div><div></div></div>
Latex	<div><div></div><div></div><div></div><div></div><div></div></div>