

Alyssa Jo Tice

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EDUCATION

The Pennsylvania State University
Schreyer Honors College, College of Engineering
Bachelor of Science in Computer Science
Minors in Music Technology and Mathematics

Class of 2020
University Park, PA
GPA: 3.99/4.00

WORK EXPERIENCE

JPMorgan Chase & Co.
Software Engineering Intern

June 2018 – August 2018
Wilmington, Delaware

- Performed requirements analysis for a business analytics project
- Utilized Microsoft SharePoint API to display data from SharePoint sites to a central cloud-hosted site
- Modified Python script to make API calls and update a database every ten minutes
- Built website using Bootstrap, React, JavaScript, and HTML that updates with information to help developers increase productivity
- Used Regex to parse email subject lines to collect updates on environment health from a reporting team
- Worked with a product owner as part of a fully functioning Agile scrum team

Musical Minds, LLC
Software Intern

September 2016 – March 2017
University Park, PA

- Wrote documentation for Python API
- Helped design backend software structure
- Graphed data using PyGal library in Python

LEADERSHIP EXPERIENCE

College of Engineering
Ambassador

May 2017 – Present
University Park, PA

- Sponsored by Boeing to give tours of the College of Engineering to prospective students
- Perform outreach trips to younger minority groups to promote engineering as a career
- Network with corporate sponsors to coordinate outreach and recruiting efforts for Penn State

Schreyer Honors College
Orientation Mentor

January 2017 – Present
University Park, PA

- Lead freshman through three days of orientation
- Mentor freshman throughout their first year of college
- Foster leadership methodologies and skills

Women in Engineering Program
Study Group Facilitator, Vector Calculus

January 2018 – Present
University Park, PA

- Host weekly study sessions for women engineers in introductory classes
- Advise group members on resumes and career development

SKILLS & RELEVANT COURSEWORK

Technology Skills: Java, Python, SuperCollider, HTML/CSS, Git, SQL, Agile

Relevant Coursework: Computational Theory, Data Structures and Algorithms, Systems Programming, Digital Design, Database Management Systems, Object Oriented Programming, Probability Theory, Programming Language Concepts, Computer Organization

AWARDS & HONORS

College of Engineering Dean's List
Schreyer Honors College Academic Excellence Scholarship
BP Scholar
Boeing Engineering Scholarship
Scholarship for Women Studying Information Security

2016 – Present
2016 – Present
2017
2017
2017