

# JASON B. CHHAY

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## Summary

Technical student with three years of real-world experience in software development, project management, collaboration, and leadership across different projects.

## Education

**The Pennsylvania State University, University Park**  
*Schreyer Honors College*

**GPA: 3.80**

**B.S. Computer Science**

**Expected Graduation: May 2021**

Minor in Engineering Leadership Development and Mathematics

## Professional Experience

**Software Developer**

May 2018 - Present

*The Pennsylvania State University*

*University Park, PA*

- Leading project management for front-end development amongst graduate and undergraduate students for Elastic search engine built with Python and Vue.js.
- Developed and deployed informative website on CiteSeerX search engine through Django web framework, utilizing Python, HTML/CSS, and SQL.
- Established online internal documentation wiki to ensure that contributions and resources can be easily tracked, and existing information can be maintained.

**UX Lead Developer**

Apr 2019 – Present

*Penn State Dance Marathon*

*University Park, PA*

- Collaborating with 24 volunteers to build Django web applications utilized by thousands of students to streamline philanthropy efforts for childhood cancer.
- Managing 2 other developers in UX design and front-end development and for internal web tools through HTML, CSS, jQuery, Vue.js, and Bootstrap.
- Designed and led development for intranet dashboard to provide more accessible information for upcoming deadlines and events for volunteers

**Software Development Intern**

May 2019 – Aug 2019

*CommScope, Inc.*

*Horsham, PA*

- Collaborated with interns, product owners, scrum masters, and senior software engineers to develop customer technical solutions through Agile development.
- Built Java Android app that dynamically load custom user interfaces in smart TV set-top boxes for customer demos.
- Improved image memory efficiency by at least 60% through Python script that prevents extraneous files from packaging onto a digital media catalog.

## Projects

**COVIDSeer**

March 2020

- Full-stack web developer for open-research search engine with Django, Elasticsearch, and Vue for publications relating to COVID-19 to aid global research effort.

**Audio Gender Analyzer**

March 2019

- Analyzes an audio file of human speech, identifies gender of speaker through MATLAB spectral analysis and Naive Bayes implementation through Python.

## Skills

### Languages

- Python ★★★★★
- JavaScript ★★★★★☆
- Java ★★★★★☆
- HTML/CSS ★★★★★☆
- C ★★★★★☆
- Kotlin ★★☆☆☆

### Frameworks

- Android
- Django
- React
- Vue.js
- React Native
- Node.js
- Gatsby

### Tools & Programs

- Linux
- MySQL
- Apache
- Git source management
- Microsoft Office

## Relevant Courses

- Data Structures and Algorithms
- Operating Systems
- Artificial Intelligence
- Technical Writing

## Awards

- 3<sup>rd</sup> place in HackPSU Spring 2018 TLT Challenge
- 2<sup>nd</sup> place in Kohl's Business with Integrity Case Competition
- Student Technology Services Employee of the Semester
- Tau Beta Pi (Engineering Honors Society)