

bethany.zc@gmail.com
Linkedin: /bethanychen

Bethany Chen
55 Columbia Ave. Berkeley Heights, NJ, 07922

908-240-7158
Github – bzc220
U.S. Citizen

----- EDUCATION -----

Lehigh University, Bethlehem, PA

Class of 2020

Bachelor of Science, Computer Science, Minor in Music

4th Year

- Relevant Coursework: Programming and Data Structures, Algorithms, Software Engineering, Blockchain Algorithms and Systems, Artificial Intelligence Theory and Practice

----- SKILLS -----

- Proficient: Java (~10,000 debugged lines), Unix (~75 hours)
- Comfortable: C++ (~2,000 debugged lines), Git (~20 hours), HTML, CSS, Python, SAS
- Familiar: C (~1,500 debugged lines), Scala, Angular JS

----- EXPERIENCE -----

Lehigh University Bioinformatics Lab, Bethlehem, PA

Jan 2018 – Present

Research Assistant

- **Implemented:** used and debugged in Angular JS to implement deleting objects and color changing in a web app called pClay
- **Researched:** studied, compared, and contrasted machine learning algorithms, structures, and architectures to develop a software using TensorFlow that recognizes protein shapes and pockets
- **Scripting:** created bash shell scripts in order to download and organize PDB files

Brightech International, Somerset, NJ

Jun 2019 – Aug 2019

Intern

- **Issue Tracking:** Tracked 85 issues in an eTMF (electronic Trial Master File) software that is integrated in their Clinical Information Management Suite (CIMS)
- **Testing:** Wrote up test results of functionality of each link in the eTMF software
- Completed 12 programs written in SAS analyzing SDTM (Study Data Tabulation Model) and raw datasets

CSE2 (Fundamentals of Programming)

Aug 2017 – Present

Teaching Assistant

- **Detail-Oriented:** Assisted in grading exams and homeworks for a class of 200+ students
- **Guiding:** Held weekly office hours to actively help students with Java or Bitbucket

----- SELF-DIRECTED PROJECTS -----

aoebetalambda.github.io

Jul 2019

- Crafted a live static website using HTML, CSS, and Javascript for my sorority using Github pages
- Saved my sorority \$240 by switching from a paid service to a completely free and easy to maintain website

IncentoSpyr

Sep 2018

- **Team player:** Developed a medical support application to encourage patients to use a breathing apparatus using the Android Studio platform at MedHacks
- Created the UI that welcomed new users to input starting measurements

Hops of Faith

Dec 2016

- **Achieving:** Won Student's Choice of Award at the MobiLehigh competition
- **Debugging:** debugged the program by testing procedures

----- LEADERSHIP -----

Society of Asian Scientists and Engineers (SASE)

Sep 2017 – Present

Vice President

- **Organization:** Coordinated meetings, events, and conference preparation workshops
- Collaborated with other clubs on campus to host events that had an attendance of 60+ students

Alpha Omega Epsilon Interchapter/PR/Historian Committee

Sep 2017 – Present

Chair

- **Leading:** Communicated with other chapters to organize events of 30+ people promoting sisterhood