

ENPU YOU

Software Developer, Pianist

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📍 Meadville, Pennsylvania

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EDUCATION

Bachelor of Science

Allegheny College

📅 Aug 2017 – May 2021

📍 Meadville, Pennsylvania

- Majors: Computer Science & Music
- GPA: CS 3.98/ Music 3.85/ Overall 3.84
- Key coursework:
Data Structure, Discrete Structures, Data Abstraction, Algorithm Analysis, Software Engineering, Computer Organization, Database Systems, Data Analytics, Compiler Development, Software Innovation I-II, Calculus, Wavelet Transformation, Physiological Psychology

HONORS & AWARDS

Distinguished Alden Scholar 📅 2018 - 2020

- Academic honor for maintaining a 3.80 or higher grade point average for the year.

Outstanding Junior Major Prize 📅 May 2020

- Awarded for exceptional academic achievement, performance in the seminar, and contribution to the general life of the department.

Lauretta Good Strayer Memorial Prize 📅 May 2020

- The income from this fund, established by the Mu Phi Epsilon Alumnae Club of Meadville, is awarded to an outstanding piano or organ student.

Cupper Scholar 📅 March 2019

- A fellowship/stipend that supports collaborative research project with a faculty member at Allegheny College.

Frederick and Lucille Marantz Memorial Prize 📅 May 2019

- Annual award from the Department of Music to an outstanding piano student.

Alden Scholar 📅 2017 - 2018

- Academic honor for maintaining a 3.50 or higher grade point average for the year.

PROJECTS

AVMf

- Enabled continuous integration with Travis CI, contributed to application, testing, and usability of the open source project AVMf, a Java implementation of the Alternating Variable Method.
- Researched in global, local searching algorithms and applications in search-based optimization problems.

SANTA

- Led a team of 5 students in developing Santa, an automated-testing tool that automatically infers types and generates test data from the respective type by integrating with MonkeyType and Hypothesis.

SKILLS

- Python, Java, C, SQL, R.
- AWS, Gradle, Git, Docker, Django, SQLite3, MongoDB, Pytest, RStudio, NoSQL, Bash, LaTeX, LinuxOS, Ableton

EXPERIENCE

Allegheny Cupper Scholar

📅 March 2020-Present

📍 Allegheny College

- Developed a tool "TADA" in Python that systematically runs a doubling experiment with random generated data to ascertain the likely worst-case order-of-growth function for any arbitrary Python function.

Allegheny Mozilla Fellow

📅 Aug 2019-Present

📍 Allegheny College

- Developed a visualized text mining tool with CLI and web interface using Gradle, NLP, and automated deployment in AWS (API Gateway, Lambda, DynamoDB) to integrate ethics into undergraduate computer science courses.

Computer Science Technical Leader

📅 Aug 2019-Present

📍 Allegheny College

- Held weekly office hours and assisted classes (Software Engineering, Data Structure) of 20 students in lab, practical sessions, and examination preparations.

Founder/President

Electronic Music at Allegheny College(EMAC)

📅 May 2019-Present

📍 Meadville, Pennsylvania

- Founded the first music club on campus, dedicates to establishing inter-disciplinary/digital art culture and providing platform for non-music educated people to create music using Ableton, Max/Msp, Processing;
- Conducted Executive Board meetings and collaborated with students and faculties from CS, Music, and Art departments.

Pianist/Stage Manager

Montecito International Music Festival

📅 July 2019-Aug 2019

📍 Los Angeles, California

- Performed in solo recitals and chamber ensembles with world class musicians and students.
- Scheduled and ran concerts; Arranged the stage settings and lights, etc; Coordinated with stage crew and musicians.

Research Assistant

📅 Aug 2018-May 2019

📍 Allegheny College

- Collaborated with Dr. Wesoky and assisted in translating materials on Buddhist practitioners in China as well as Chinese feminism.

Barista

Grounds for Change

📅 Aug 2018-Present

📍 Meadville, Pennsylvania

- Volunteering at the student-run nonprofit coffeehouse on campus weekly; Making coffee; Coordinating events.

Teaching Assistant

Do Commitment

📅 May 2016-Jan 2017

📍 Shanghai, Ningbo

- Instructed high school students on reading/listening for TOEFL and grammar for SAT.