

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 Structure,
Data Abstraction, Algorithm Analysis,
Software Engineering, Computer Organization,
Database Systems, Data Analytics,
Compiler Development, Cloud Computing,
Software Innovation, Calculus, Linear Algebra,
Wavelet Transformation

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.

SKILLS

- Python, Java, C, JavaScript, TypeScript, Html, CSS, SQL, R.
- AWS, ReactJS, AngularJS, Gradle, Git, Docker, Django, SQLite3, MongoDB, Pytest, RStudio, NoSQL, Bash, \LaTeX , LinuxOS, Ableton

PROJECTS

Tada: Automated Order-of-growth Analysis May 2020

- Built Python application ascertains worst-case time complexity for any arbitrary Python function.
- Implemented random data generation for experiment and deployed to PyPI. Increased test coverage to 98%.
- Designed and maintain documentation website.

Text Mining with Visualization Nov 2020

- Built python visualized text mining application with CLI and web interface.
- Enabled automated deployment in AWS with Gateway, Lambda, DynamoDB.
- Implemented topic modeling, similarity analysis with features including sentiment analysis and named-entity recognition with SpaCy.

Automated Testing Application May 2019

- Led a team of 5 developing automated testing python plugin for course project.
- Designed and built framework to integrate automated type inferring and test data generation with MonkeyType and Hypothesis.

Java Framework for Alternating Variable Method Aug 2018

- Enabled continuous integration with Travis CI.
- Contributed to documentation of usage instruction, increased test coverage.
- Researched in global, local searching algorithms and applications in search-based optimization problems.

EXPERIENCE

Allegheny Mozilla Fellow

📅 Aug 2019-Present

📍 Allegheny College

- Built education application; assisted in course planning with ethics emphasis

Computer Science Teaching Assistant

📅 Aug 2019-Present

📍 Allegheny College

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

President | Electronic Music at Allegheny College

📅 May 2019-Present

📍 Allegheny College

- Founded the first music club on campus, dedicates to establishing interdisciplinary 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 stage settings and lights, etc; Coordinated with stage crew and musicians.

Research Assistant

📅 Aug 2018-May 2019

📍 Allegheny College

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