ZHENGMING WANG

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SKILLS.

Languages:
Java, Python 3, C,
HTML5/CSS3, JavaScript,
MIPS Assembly, x86

Libraries/Frameworks:
NLTK, scikit-Learn, Django,
pandas, matplotlib, NumPy,
RosPy

Others:
Git, Crystal Reports, Eclipse,
Windows, Ubuntu

COURSEWORK.

Masters/Honors Courses:
Algorithm Design
Mobile Robot Programming

Undergraduate Courses:
Algorithm Implementation
Formal Methods
Web Programming
Systems Software
Computer Organization and
Assembly
Data Structures
Discrete Structures

ACTIVITIES.

Vice President Pitt
Computer Science Club

**Undergraduate Teaching
Assistant** Intro to Python

Business Manager Pitt Club
Table Tennis

Women in Computer Science

Kappa Theta Pi

EDUCATION.

University of Pittsburgh Honors College
PITTSBURGH PA . JUNE 2018 - APRIL 2021

BS in Computer Science. Minor in Chinese, Communications.
GPA: 3.95/4.0 . Major GPA: 4.0/4.0

WORK EXPERIENCE.

Learning Research & Development Center . *NLP Research Intern (Facet Lab)*
PITTSBURGH PA . APRIL 2019 – PRESENT

- Leading the development of AHA, an automatic help analyst system that helps students become better mentors to their peers online.

Jane Street . *SEE (Spring Educational Event) Participant*
NEW YORK CITY NY . MAY 2019

- One of 32 students to be selected from 2,000+ applicants (1.5% acceptance rate).
- Attended an all-expenses paid trip to Jane Street Headquarters to observe real-time trading and marketing.
- Learned about financial market basics, probability, and arbitrage from Jane Street traders.

Learning Research & Development Center . *Undergraduate Researcher (Litman Lab)*
PITTSBURGH PA . DECEMBER 2018 – APRIL 2019

- Created NLP features, like Essay Organization and Elaboration of Evidence score, to make an Automatic Essay Scoring (AES) Machine Learning Model.
- Built NLP and Machine Learning pipeline that performs tokenization, stemming, stop-word removal, n-gram vectorization, sentiment analysis, and Random Forest classification.
- Presented work to ~400 members of the University of Pittsburgh community.

Essential Medical . IT Intern
EXTON PA . MAY 2018 – DECEMBER 2018

- Only intern to be ever offered remote work position during school year.
- Implemented the company's first technological solution, Visual Jobshop, which increased clean room to front office communication by 400%.

PROJECTS.

Milk Language and Interpreter
- Created a Java interpreter to scan, parse, and interpret my custom language (Milk) and its syntax.
- Interpreter features and utilizes error handling, syntactic trees, and a visitor pattern implementation.

WeatherBot
- Python chatbot used by 300+ students that provides daily weather reports and updates weather statuses when prompted by users.

Jane Street Blotto Challenge
- Submitted an entry that placed 21st against 336 Jane Street employees' entries and aided admittance to Jane Street SEE.
- Coded an extensive Python simulation of Blotto that guided the formulation of my contest entry.

FreeCodeCamp
- Completed a 300-hour certification on HTML, CSS, and Responsive Web Design.
- Working on a JavaScript certification.