

Yuhang Chen (Mercer)

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SUMMARY

My passion for AI and Machine Learning motivated me to study Computer Science and Statistics. I am very interested in learning new algorithms to help me improve and am eager to apply what I have learned in the classroom to real-life scenarios.

EDUCATION

Washington University in St. Louis

Bachelor of Applied Science

St. Louis, MO

Aug 2018 - May 2022

- GPA: 3.73/ 4.00; Double major in Computer Science and Statistics
- Activities and Societies: Math Club, WashU ACM, ArchHacks, Hackathons (VandyHack V, HackPrinceton)
- Relevant Coursework: Data Structure and Algorithm, Web Development, Multi-Agent System, Object-Oriented Software Development Laboratory, Rapid Prototype Development and Creative Programming, Cloud Computing

Gould Academy

High School Diploma

Bethel, ME

Jan 2015 - Jun 2018

- GPA : 4.0 / 4.0 (Top 5%); 11 AP courses, 16 AP tests (Avg. 4.31/5)
- Honors/Awards: State AP Scholar, The Cum Laude Society, Bausch & Lomb Honorary Science Award

EXPERIENCE

Microsoft Explorer Intern

Software Engineer & Program Manager

San Francisco, CA

May 2019 – Aug 2019

- Interned on Microsoft Outlook Mobile Team at the San Francisco Office; received a return offer to Azure AI Platform Team
- Developed an internal-use steganography software in Swift and Python with two other Explorer interns

PROJECTS

Develop and Test Qualitative Data Anonymization Support System (QDASS)

Bioinformatics Research Assistant, Institute for Informatics, Washington University School of Medicine

St. Louis, MO

Dec 2018 - Present

- The software will perform several essential tasks: (a) enable users to replace known direct identifiers with replacement terms throughout the text (b) automatically highlight text that are believed to be direct or indirect identifiers based on syntactic or grammatical features (c) for each variable changed, track the number of replacements/redactions, thus producing an anonymization log for researchers to provide when depositing data.

Geo-location Clustering Using the K-means Algorithm

Local Developer

St. Louis, MO

Sep 2019 – Dec 2019

- Implemented and optimized k-means in Spark and tested it for geo-location clustering on various big datasets of spatial locations
- Deployed the application to Amazon Web Service

EXTRACURRICULAR ACTIVITIES

External Outreach, Executive Board

Washington University ACM

St. Louis, MO

Sep 2018 - Present

- Reaching out to campus clubs and technology companies, such as Google, to co-organize on-campus workshops and activities

Undergraduate Teaching Assistant

CSE 247 Data Structure and Algorithm

St. Louis, MO

Jan 2019 – May 2019

- Mentored eight students every Thursday for 1.5 hours; Help students with lab difficulties in my free time

Bioinformatics Research Assistant

Payne-Lai Lab, Institute for Informatics, Washington University School of Medicine

St. Louis, MO

Dec 2018 - Present

- Developing Qualitative Data Anonymization Support System (QDASS) using Natural Language Processing and Machine Learning, under the guidance of Dr. Albert M. Lai and Dr. Aditi Gupta

SKILLS & CERTIFICATIONS

- **Skills:** Research, Java, C/C++, Python, HTML/CSS/PHP, JavaScript, React, Swift, MySQL, Hadoop, PowerPoint, Excel
- **Certifications:** Shanghai English-Mandarin Interpretation Certificate (Advanced Level)
- **Languages:** English (Fluent), Chinese (Native), Shanghaiese (Receptive bilingual)
- **Interests:** Hiking, Cross-country running, Snowboarding (over 500 on-snow hours), Cross-country skiing