

Julie Yuan

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Education

University of Minnesota - Twin Cities

B.S. IN COMPUTER SCIENCE AND MATHEMATICS, GPA: 4.0/4.0

Minneapolis, MN

Sept. 2016 - Jun. 2020 (Expected)

Selected Coursework:

- **MATH 5615:** Real Analysis
- **MATH 5651:** Theory of Probability and Statistics
- **MATH 5345:** Introduction to Topology
- **MATH 4281:** Introduction to Abstract Algebra
- **CSCI 2041:** Advanced Programming Principles
- **CSCI 2021:** Machine Architecture
- **CSCI 2011:** Discrete Mathematics
- **CSCI 1933:** Introduction to Algorithms and Data Structures

Skills

Languages Python 3, Java, C, x86-64 Assembly, OCaml, HTML/CSS

Misc. Git/GitHub, LaTeX, macOS, Linux

Experience

Undergraduate Teaching Assistant

DEPARTMENT OF COMPUTER SCIENCE (CSCI 1133), UNIVERSITY OF MINNESOTA

Minneapolis, MN

Sept. 2017 - PRESENT

- Teaching assistant position for the University's core introductory course to the computer science major.
- Supervised two lab sections of thirty students each week.
- Graded weekly assessments and summative projects.
- Maintained grading system that provides automated feedback to students via GitHub.

Undergraduate Teaching Assistant

UMTYP (ALGEBRA I/II), UNIVERSITY OF MINNESOTA

Minneapolis, MN

Sept. 2017 - PRESENT

- Teaching assistant position for an accelerated math program for talented middle-school students.
- Supported instructor during weekly class sessions and supervised groupwork.
- Graded weekly homework assignments and proctored exams.

Front Desk Receptionist

ACUPUNCTURE HEALTH CENTER

Edina, MN

Aug. 2015 - Aug. 2017

- Handled patient scheduling, check-in, and scheduling duties.
- Filed insurance claims, completed verification of patient insurance, and resolved coverage issues.
- Reviewed patient accounts and collected on overdue balances.
- Trained new employees in the insurance verification process.

Projects

Root-Balanced Polynomials over Finite Fields of Characteristic 3

DIRECTED UNDERGRADUATE RESEARCH, MATHCEP (DR. JULIE RANA)

- Studied special subset of polynomials with vanishing sums over finite fields of characteristic 3 and developed criteria for characterizing these polynomials.
- Wrote SageMath scripts to test conjectures concerning linearity of polynomial roots.
- Presented results at MAA North Central Sectional Meeting, Fall 2017.