

Stephen Yin

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EDUCATION

- **Yale University** New Haven, CT
Class of 2024, Bachelors of Science in Computer Science & Mathematics *Aug 2020 - present*
 - **GPA:** 3.96/4.00
 - **Representative Coursework:** Systems Programming, Intensive Algorithms, Data Structures and Algorithms, Vector Calculus and Linear Algebra I & II, Discrete Mathematics, Software Engineering, Natural Language Processing

EXPERIENCE

- **Software Engineer** New Haven, CT
CourseTable *Oct 2021 - Present*
 - Developing CourseTable, the primary course navigation and selection tool for 12,000+ Yale students
- **Backend Developer** New Haven, CT
Yale Entrepreneurial Society (YES) Internship Program *Oct 2021 - Present*
 - Improving Serverless Data Pipeline and information management systems using AWS, handling 1000+ applications, 140+ start-ups, and providing internship opportunities to 250+ students
- **Website Developer** Minneapolis, MN
PinKU Japanese Restaurant *Oct 2020 - Jan 2021*
 - Redesigned company website to improve UX and integrate company aesthetics seamlessly into website as part of Yale's Tsai CITY Venture Project Specialist program
 - Maintained website for 10 months past internship end and integrated Google Analytics performance tracking to assist future growth
- **Computer Science Research** Lexington, KY
University of Kentucky *Sep 2018 - May 2020*
 - Developed end-to-end Natural Language Processing AI to predict emotion with +8% accuracy compared to baseline by using deep learning under guidance of Dr. Robert Lodder, Computer Engineering
 - Fully designed tri-fold presentation board, wrote 16 page research report, and presented 15 minute overview of project at Math, Science, Technology Center Symposium

PROJECTS

- **Statistical Research Report** *Summer 2021*
 - Authored a report on the Global Entrepreneur Monitor (GEM) Adult Population Study (APS) analyzing trends of entrepreneurship internationally along various factors (gender, population attitudes, statistics on current businesses, etc.)
 - Analyzed data using the following methods: Generalize Linear Models, Linear and Multiple Regression, ANOVA, Bootstrapping, Permutation Tests, Non-parametric Tests. R, RStudio
- **Petrichor Game** *Spring 2021*
 - Designed, authored, and coded a short interactive narrative about loss of a father using Twine Sugarcube, Adobe Audition, and Adobe Photoshop. HTML, CSS, JS
 - http://yaleschoolofart.org/artofgame2021/students/Stephen/petrichor_twine/Petrichor.html
- **Bullseye App** *Sep 2019 - Dec 2019*
 - Developed customized app for iOS (following the iOS Apprentice) with added features of a dynamic slider and custom scoring scheme, Swift

ADDITIONAL EXPERIENCE & AWARDS

- **Computer Science ULA** *January 2022 - May 2022*
 - CPSC 201 Undergraduate Learning Assistant (ULA) leading Office Hours and providing mentorship to 120+ students
- **Linear Algebra Grader** *Aug 2021 - Dec 2021*
 - MATH 225 grader providing quality feedback and scoring for 120+ students
- **American Invitation Mathematics Examination** *2016-2020*
 - Five time AIME Qualifier, highest score 10
- **AI Hacks Hackathon Finalist** *Nov - Dec 2020*
 - Designed a Multi-Front system for health video recommendation, with a 25% improvement upon random recommendation

LANGUAGES & TECHNOLOGIES

- **Programming:** Python (Advanced), C (Intermediate), R (Intermediate), Java (Intermediate), Racket (Intermediate), Swift (Beginner)
- **Software:** LaTeX (Advanced), Matlab (Intermediate), RStudio (Intermediate), XCode (Beginner)