

# Stephen Yin

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## EDUCATION

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- **Yale University** New Haven, CT  
*Class of 2024, Bachelors of Science in Computer Science & Mathematics* *Aug 2020 - present*
  - **GPA:** 3.95/4.00
  - **Representative Coursework:** Systems Programming and Computer Organization, Data Exploration and Analysis, Data Structures and Algorithms, Vector Calculus and Linear Algebra I & II, Discrete Mathematics, Intro. to Abstract Algebra

## EXPERIENCE

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- **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

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- **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](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

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- **Linear Algebra Grader** *Aug 2021 - present*
  - 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

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