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 Lin. Alg. I & II, Discrete Mathematics, Software Engineering, Natural Language Processing, Artificial Intelligence

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 Stack and information management systems using AWS including DynamoDB, handling 1000+ applications, 140+ start-ups, and providing internship opportunities to 250+ students
- **Website Developer**　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　Minneapolis, MN
  PinKU Japanese Restaurant　　　　　　　　　　　　　　　　　　　　　　　　　　*Oct 2020 - Dec 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 14 months 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

ADDITIONAL EXPERIENCE & AWARDS

- **Computer Science TA**　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Jan 2022 - May 2022*
  - CPSC 201 Teaching Assistant leading Office Hours and providing mentorship to 120+ students in Racket, functional programming
- **Putnam Examination Top 489**　　　　　　　　　　　　　　　　　　　　　　　　　*Dec 2021*
  - Top 489 placement on the Putnam Examination, Score: 16
- **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)