

ANNIE QIU

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EDUCATION

Dartmouth College, Hanover, NH **June 2024**
Bachelor of Arts, Double Major in Computer Science and Studio Art **GPA 3.89/4.0**
Relevant Coursework: Full-Stack Web Development*, Introduction to Programming and Computation*, Object-Oriented Programming, Discrete Math in Computer Science, Algorithms, Machine Learning, Design Thinking, 3-D Digital Modeling*, Intro to UI/UX Design (* denotes a Citation of Academic Excellence)
Honors/Awards: Honor's List (Top 15%), 5 Citations of Academic Excellence

Shanghai American School Pudong, Shanghai, China **May 2020**
Honors/Awards: Class of 2020 Leadership Award, Excellence in English and Art Awards **GPA 4.0/4.0**

RELEVANT EXPERIENCE

Digital Applied Learning and Innovation (DALI) Lab, Hanover, NH **August 2021 – Present**
Full-Stack Software Developer & Digital Designer

- Develops front and back-end software for full-stack web and mobile applications using tools such as React, React-Native, Redux, Ruby on Rails, and GitHub
- Collaborates in teams of developers, designers, and project managers to design, prototype, and develop products for external partners using the agile method in 10-week sprints

Dartmouth Computer Science Department, Hanover, NH **March 2022 – June 2022**
Teaching Assistant for Object-Oriented Programming

- Lead weekly recitation sections and office hours, graded problem sets, exams, and short assignments for 10 hours a week
- Guided students on Java, debugging, and topics including algorithms, data structures, and time complexity

Thayer School of Engineering Design Corps, Hanover, NH **August 2021 – March 2022**
Design Consultant

- Conducted user research and analyzed insights to make the Irving Institute Building's energy performance visible with a design thinking methodology

Dartmouth Computer Science Department, Hanover, NH **March 2021 – December 2021**
Research Assistant

- Assisted in research project on modeling physical systems with neural projections and artificial intelligence learning
- Developed algorithms with PyTorch to generate data through level-set functions to project points upon geometric shapes and modified neural network to maximize training for varying surfaces
- Awarded \$5000 in grants through Women in Science Project and Undergraduate Research Assistantship programs

PROJECTS

Well Buddies **March 2022 – June 2022**
Full-Stack Software Engineer & UI/UX Designer

- Designed and developed web application to encourage students to prioritize their wellbeing with a digital pet using React, Firebase, and Javascript, won 2nd place in Health & Recovery track for HackDartmouth 2022
- Extended website by designing and developing mobile app that suggests wellness activities based on users' calendar availability using React-Native, Redux, MongoDB, Node, and Express

Sexual Violence Prevention Project (with the DALI Lab) **August 2020 – Present**
Full-Stack Software Engineer & UI/UX Designer

- Designed and developed full-stack web application to track student progress in Dartmouth's four-year sexual violence prevention program to be used for all future Dartmouth students
- Supported security and authentication for multiple administration permission levels in backend software using Ruby on Rails
- Implemented back-end logic and front-end code for core features of allowing admins to assign curriculums and courses to students and students and assign courses to curriculums

SKILLS & AFFILIATIONS

Technical: Python, Java, Javascript, React/React-Native, Node/Express, Git, MongoDB, Ruby, Ruby on Rails, HTML/CSS, Figma, Maya

Additional Activities: Campus Tour Guide, Sexual Assault Peer Alliance, First-Year Trips Leader, Kappa Kappa Gamma Sorority

Additional Interests: Painting, Graphic Design, Animation, Illustration, Sustainable Fashion, Sexual Violence Prevention