

KATIE HAHM

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EDUCATION

9 / 2013 - present

Stanford University, Stanford, CA

Bachelor of Science: Mechanical Engineering, June 2017

Minor in Computer Science, June 2017

GPA: 3.8

Relevant Coursework:

Introductory Fluids Engineering, Visual Thinking, Engineering Thermodynamics, Solid Mechanics, Probability and Statistics, Artificial Intelligence: Principles and Techniques

SKILLS & INTERESTS

Skills: SolidWorks, MATLAB, Python, C++, C, Ruby on Rails

Interests: aeronautics, propulsion, product design, design thinking, origami, violin

PROJECTS

2 / 2015

Bridge Project, *Solid Mechanics*, Stanford University

Used truss analysis to design and build a durable bridge from balsa wood with teammates, tested and performed failure analysis on bridge

1 / 2015 - present

Balloons Team, *Stanford Space Initiative*, Stanford, CA

Built durable payloads to withstand 120,000 ft. elevations for high-altitude balloons

12 / 2014

Digit Recognizer, *Artificial Intelligence: Principles and Techniques*, Stanford University

Used multilayered perceptron, linear classifier, and autoencoder approaches to build an AI that recognizes single handwritten digits to 98.5% accuracy

7 / 2014

Brighten, *iXperience*, Cape Town, South Africa

Built brighten.co.za to connect volunteers with community service events in S. Africa

EXPERIENCE

10 / 2014 - present

Research Assistant, *Asian Liver Center*, Stanford University, CA

Developed an online tool for calculating risk and cost for patients with hepatitis B

8 / 2014 – 9 / 2014

Development Intern, *Platform 45*, Cape Town, South Africa

Built Sproutbrain, a web app that lowers maintenance for plant growth in office setting

EXTRACURRICULAR

9 / 2014 – present

External Workshops Leader, *Stanford Design Initiative*, Stanford, CA

Organized workshops (graphic, web design, etc.) for about 30 students by contacting various students and alumni to lead the workshops

9 / 2014 - present

Violinist, *Stanford Symphony Orchestra*, Stanford, CA

Perform various pieces for Halloween and quarterly concerts in the Bing concert hall

9 / 2011 – 6 / 2013

Founder & President, *Origami Outreach Club*, Northwood High School, Irvine, CA

Taught origami to disabled students and senior citizens for fun physiotherapy

9 / 2009 – 6 / 2013

President, *Math Olympiad Club*, Northwood High School, Irvine, CA

Served as the first female president; organized AMC, Mandelbrot, and CAML competitions; led and taught various topics at meetings