

LAUREN AH-HOT

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EDUCATION

Cornell University, Ithaca, NY
Computer Science, B.S.

May. 2027

- **Relevant Coursework:** Object-Oriented Programming, Data Structures & Algorithms, Analysing Data with Python

Programming Languages: Java, JavaScript, Python, HTML/CSS

Technology & Tools: Django, React, Node.js, Flask, AWS EC2/Elastic Beanstalk, Git, PostgreSQL

WORK EXPERIENCE

Founder

Bain de Mousse: Handmade Bath Bombs, Singapore

Mar. 2021 - Present

- Created products for Meta and American Express. Invited to showcase products in corporate events such as UOB.
- Developed e-commerce website with Django, Javascript, HTML/CSS, and PostgreSQL to increase customer click-through conversion rate by 150%. Featured in 3 online articles, growing to 650+ followers on social media.
- Handmade and sold 1300+ bath products, donating \$5500+ to charities helping give access to clean water for people in need.
- Received Beauty & Wellness Awards by Beauty Insider: Readers' & Bloggers' Choice Awards for Best Body Care

Founder

Baguette Nails, Ithaca, NY

Jul. 2024 - Present

- Executed professional manicures of various services, reaching a loyal clientele base of 40+ students.
- Marketed business to students across campus through social media, growing to 250+ followers in 1 month.

Retail Salesperson

Birkenstock, Singapore

Jun. 2022 - Aug. 2022

- Developed in-depth knowledge of product lines, features, and benefits, helping customers make informed purchasing decisions and boosting conversion rates.
- Managed daily retail sales and took care of housekeeping duties to keep maintain a clean environment.

PROJECTS

Facial Recognition/Face Merging Program Using Eigenfaces

Mar. 2024

- Developed Flask API with Python, to process 1,000+ facial images, using PCA to reduce dimensionality by 90% and returning base64-encoded images.
- Built ETL pipeline to process 1000+ grayscale images, applying image resizing and normalization to ensure consistent data format, reducing image sizes by 30% while maintaining recognition accuracy.
- Collected, cleaned, and normalized data from 100+ individuals, ensuring a 99% accuracy rate in facial recognition.

ORGANIZATIONS

President, Code For All Service Club, Singapore American School

Feb. 2021 - May. 2024

- Organized Java classes at 3 children care centers to cultivate passion for computer science, teaching 70+ kids, one of which won a regional coding competition.
- Piloted game dev course using Python and Pygame to 10 disadvantaged youths, providing opportunities to enter tech industry. Taught game mechanics, graphics rendering, and event-driven programming.
- Led team of 50 members and trained 20+ tutors. Established new branches in Spain and Michigan, teaching 50+ kids overseas.

Officer, Girls Who Code, Singapore American School

May. 2023 – May. 2024

- Organized and led a 20-team hackathon for women in computing, increasing participant engagement by 30% compared to previous events.
- Revamped school's intro CS course from Scratch to Python.
- Advocated for new AI, data science, cloud computing classes.

Captain, Varsity Tennis, Singapore American School

Oct. 2021 – Feb. 2024

- Initiated team bonding sessions & led warm-ups. Coordinated preseason practices and helped out with JV tryouts.
- Led team to third place in regional tournament.
- Earned Most Improved award (2022) and Coach's Choice award (2023).

ADDITIONAL

Languages: English, French

Hobbies: Baking, reading, tennis, snowboarding