Julie Lely

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EDUCATION

WELLESLEY COLLEGE
MAY 2023
B.A. Computer
Science and Studio
Art

SKILLS

Python
Java
HTML/CSS
Figma
Adobe Photoshop
Adobe Illustrator
Adobe InDesign
Adobe XD

HONORS

**FACEBOOK ABOVE &
BEYOND COMPUTER
SCIENCE**
FALL 2020
10-Week Technical
Interview Workshop
Series

**REWRITING THE
CODE FELLOWSHIP**
SPRING 2020
Technical and
Networking
Fellowship for
Women in Tech

WORK EXPERIENCE

MIT Media Lab: Project Us, *Undergraduate Research Assistant*
BOSTON, MA | SEPTEMBER 2020 - PRESENT
- Analyze 14 hours of audio for over 25 trials using Google Cloud Speech to Text API and Natural Language Processing pipelines in Python
- Generate word visualizations of experiment data using Graphviz and Python

Reed College Neural Natural Language Processing, *Summer Research Fellow*
PORTLAND, OR | JULY 2020 - AUGUST 2020
- Conducted research on using constituent schema to evaluate the common sense of parsers and their ability to dissect ambiguous sentences
- Brainstormed and created 220 constituent schema and analyzed 8 state-of-the-art constituency and dependency parsers using schema
- Created wrappers for each parser in Python and utilized Docker to produce consistent experiment results

Wellesley College Department of Computer Science, *CS111 Computer Programming and Problem Solving Tutor*
WELLESLEY, MA | JANUARY 2020 - PRESENT
- Facilitate weekly 4 hour drop-in hours to support 10 or more students each session with homework assignments, problem sets, and conceptual questions
- Participate in weekly labs and advise over 20 students on in-class tasks
- Attend weekly faculty meetings and provide feedback to improve curriculum

Knapp Media and Technology Center, *Production Consultant*
WELLESLEY, MA | SEPTEMBER 2019 - MARCH 2020
- Held open office hours to provide software and equipment support to over 20 Knapp patrons such as teaching patrons how edit photos on Adobe Photoshop, create posters in Adobe Illustrator, and use 3D printers or sewing machines
- Acquired over 25 advanced techniques for a variety of software and equipment

PROJECTS & LEADERSHIP

Just Design by UC Davis and Santa Cruz: Bloom, *Runner-Up in Best UI Design*
REMOTE 42-HOUR DESIGNATHON | SEPTEMBER 2020
- A mobile app that encourages users to adopt sustainable short/long term habits
- Led high-fidelity prototyping, user interaction design, and workflow

Camp Figma: HelpUX, *Runner-Up in the Make Design More Accessible Category*
REMOTE 24-HOUR HACKATHON | AUGUST 2020
- Uses virtual reality technologies to provide a 3D space and various resources for designers to brainstorm, conduct user analyses, and obtain prototype feedback in an immersive and collaborative environment
- Oversaw branding, designed all assets, and organized product workflow

Ideate 2020 by DukeHacks: Activ, *Runner-Up in the Advanced Level Category*
REMOTE 24-HOUR DESIGNATHON | JULY 2020
- A mobile app prototype that encourages users to contribute to a cause or movement by signing petitions, donating, and calling local/federal legislators
- Piloted and led high fidelity prototyping and interaction design

Wellesley College's Hackathon: WHACK, *Lead of Design/Marketing Team*
WELLESLEY, MA | SEPTEMBER 2019 - PRESENT
- Design graphics, establish overall branding, and manage all social media