**Shiyi “Harry” Yu**

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**EDUCATION**

**Brandeis University** Waltham, MA

B.S., Computer Science Expected May 2025

Relevant courses: Operating Systems, Software Entrepreneurship, Mobile Application Development

**EXPERIENCE**

**REON Technology Inc.,** Chelmsford, MA

Software Engineer Intern June 2023 – Present

* Use Docker to develop and deploy Battery Management System
* Do data analysis and make bash scripts to batch process data gathered from battery experiments,
* Working on a project with battery algorithms, Raspberry Pi, and some metal and woodwork (Although my position is Software Engineer, it’s a startup company so the roles do blur and overlap, and I've learned tons from it)
* Create a video guide for safely breaking down a specific battery pack for our products

**BILIBILI** Online, China

Channel Operator, Translator, & Proofreader November 2020 - Present

* Organize and manage a group of 7 enthusiasts to translate videos and make subtitles for YouTuber “DIY Perks” to allow business to expand to more than 4 platforms such as Bilibili, Tencent video, Baidu and Xigua videos
* Translated/proofread 164 videos with a total view count of 180 million
* Manage business partnerships with multiple businesses such as Royole, Flexispot, Influcity, and many others
* Work with and assign work to co-workers
* Made software to automate payroll and manage taxes using python and MS Excel

**EXTRACURRICULARS**

**Brandeis PC Building Club**  Brandeis University, Waltham, MA

President November 2023 – Present

* Found the Brandeis PC Building Club that aims to teach students about PC construction, troubleshooting, and awareness of fair pricing, while providing practical experience in various aspects of PC technology and building
* Gather 25+ interested participants within the first two days of announcing the club
* Design workshops to allow for students to have hands-on experience building PCs with recent components

**Bit by bit Club**  Brandeis University, Waltham, MA

Director of Corporate Relations October 2022 – May 2023

* Bit by bit provides low-cost and no-cost programs that teach and encourage underrepresented youths to code
* Reach out to other non-profit organizations to establish connections
* Run an Instagram account for the organization
* Design a deep and engaging course about logic gates and circuits using Minecraft Redstone

**PROJECT EXPERIENCE**

**Photogrammetry at Harvard Art Museums** November 2023

* After gaining approval, used dSLR camera to take hundreds of pictures of an Indian statue
* Using a specific algorithm, create a 3D model with the provided data, then fixing it with Blender
* 3D print the model using different 3D printers, including an Ender 3 and a Prusa mini

**Video Game Modding** September 2020

* Made weapon balancing mod in popular online multiplayer FPS game Counter-Strike: Global Offensive
* Designed map in said game that replicated my high school (for fun), utilizing Blender for designing 3D models

**SKILLS AND INTERESTS**

**Skills:** Java, Python, Product Design & Management, 3D Modelling, Video Journalism, Acting & Performance

**Interests:** DIY Projects, 3D Printing, PC Building, Innovative technology

**Languages:** Mandarin Chinese, *Native;* English, *Fluent*