

Jiayu Liu

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EDUCATION

New York University

Master of Science in Computer Engineering
(Expected graduation: May 2024)

Sept. 2022-Present

New York City, NY

- **Scholarships and awards:** Yearly Merit Scholarship

Boise State University

Bachelor of Science in Computer Science, GPA 3.69

Aug. 2018-May 2022

Boise, ID

- **Core Courses and tools/language used:** Data Structures(Java), Intro to System Programming (C), Design and Analysis of Algorithms, Agile Development(Git), Operating Systems(Python, Prolog, C# etc.) Network Security and Defense (Wireshark), Digital Forensics (SIFT workstation, Ubuntu Linux, Registry explore etc.)
- **Scholarships and awards:** Dean's List with Honors: Spring 2020, Fall 2020, Spring 2021
Continuing GEM Scholarship for four years started Aug. 2018

INTERNSHIPS

Institute for Pervasive Cybersecurity, Boise State University

Cybersecurity Analyst

Oct. 2021-Present

Boise, ID

- Monitor client networks and computer systems to prevent, detect, and investigate security breaches using Stellar Cyber.
- Follow documented standard operating procedures and provide recommended updates to procedures as needed.
- Apply critical thinking skills to security event data and determine the likelihood of possible attacks.
- Self-directed research on interested topic such as Spring4Shell 0 day vulnerability.
- Self-directed research on better utilization of the tools like Stellar Cyber that are used in the workflow

Lovevery, Inc.

Mobile Application Translator

July 2020-Aug. 2020

Boise, ID

- Helped engineering team understand the structure of the application like the functionalities, usage and layout
- Communicated with engineering team and my supervisor weekly to talk about their understanding about the structure of the Application that I translated
- Prepared a 60-page technical slides and documents about the structure of the application that I translated using Google Sheets & Google Slides

YingFan Technology

Sales Associate

July 2019-Aug. 2019

Shanxi, China

- Presented App template to local businesses to enhance marketing methods by owning their own business application
- Took responsible for cold calling companies for advertising building the application

RESEARCH EXPERIENCE

Undergraduate Research Technician of Informatics Skunkworks

Joint research project between Boise State University & University of Wisconsin-Madison

Jan.2021-Jan.2022

- Studied on the best way to count quantum dots in microscopic images of different materials using machine learning algorithms such as OpenCV and TensorFlow, and using
- Implemented TensorFlow and openCV in Python and built-in MATLAB functionalities to replicate the experiment in papers in microscopic image detection
- Attended the progress workshop and presented semester-long progress slides to BSU and UW-Madison researching teams

TECHNICAL SKILLS

Languages: Java, JavaScript, C, python, C#, SQL, HTML/CSS, React Native, React

Tools: IntelliJ, VS Code, Visual Studio, Jupyter Notebook, Git, Heroku, Docker, FTK imager, Timeline/Registry Explorer

Operating Systems: MacOS, Windows, Ubuntu, CentOS