

# Kelly Peng

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## EDUCATION

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**Stony Brook University, Stony Brook, NY**

May 2022

Bachelor of Science in Computer Science, GPA: 3.44

- Honors: Dean's List (5 semesters), Merit Scholarship Recipient
- **Relevant Coursework:** Data Structures, Software Engineering, System Fundamentals I & II, Principles of Database Systems, Computer Networks, Applied Linear Algebra, Analysis of Algorithms

## SKILLS

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- **Computer Skills:** Java, JavaScript, TypeScript, CSS, HTML, Python, C, Git, MySQL, MongoDB, JSON, React, Redux, Gatsby, Sass, Node.js, Express, GraphQL, Material-UI, Bootstrap, RESTful APIs, Shell
- **Languages:** bilingual in Traditional Chinese and English, Korean (intermediate, TOPIK Level 5)
- **Technology:** Adobe Creative Suite (Photoshop, Illustrator), Figma, Visual Studio, GitHub, Heroku, AWS, Microsoft Office (Word, PowerPoint, Excel), Google Suite (Docs, Sheets, Slides), Zoom, Aseprite

## WORK EXPERIENCE

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**Fortinet, Inc | Sunnyvale, California**

September 2022 – Present

Web Developer

- Developed and maintained the front-end for enterprise-grade products, including FortiPortal, FortiExtender Cloud, and FortiToken Cloud, utilizing React and TypeScript.
- Spearheaded frontend development for FortiExtender Cloud as the sole developer, delivering new features, fixing bugs, and ensuring high-quality performance within tight deadlines.
- Collaborated cross-functionally to integrate APIs and implement new features for FortiPortal, contributing to improved product functionality and user experience.
- Led refactoring initiatives for FortiToken Cloud, transitioning the codebase from Angular to React and implementing updated GUI designs to modernize the application.
- Demonstrated adaptability and cross-project expertise by supporting multiple teams and ensuring seamless product enhancements.

**Bettercode Co., Ltd. | Seoul, South Korea**

July 2020 – August 2020

Web Development Summer Intern

- Built a web crawler to retrieve user data from Weibo using GoLang and JavaScript.
- Stored the retrieved data to the database using MySQL and AWS services including Lambda and S3.

**Computer Science Department | Stony Brook, New York**

September 2020 – December 2020

Teaching Assistant: CSE214 Data Structure

- Held 4-hour weekly office hour, graded homework, tested coding assignment, and provided feedback to assist 40 students with complex concepts and to help them understand the class materials.
- Resolved questions during office hours to help lower-level and non-CS major students understand data structures, time complexity, coding practices, lab questions and commenting etiquette.

## PROJECTS

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**YoungOne Corporation and Stony Brook University**

November 2020 – February 2021

IoT-based Water Purifier Research Project | Database Developer

- Designed a MySQL database to store purifier records and created manual guides for the company.
- Designed and set up the AWS architecture to let ESP32 communicate with the web application and the cloud database with services including EC2, RDS, Lambda, VPC, S3, and IoT Core.
- Built an AWS Lambda function to query MySQL RDS from the IoT trigger using Python.