

# Jonathan Nguyen

(209)986-5183 | [Jonathan.r.nguyen03@gmail.com](mailto:Jonathan.r.nguyen03@gmail.com) | [Linkedin](#) | [Portfolio](#)

## EDUCATION

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### University of California, Santa Cruz

*Bachelor of Science in Computer Science*

Santa Cruz, CA

*Sep. 2021 – Dec 2023*

### University of California, Berkeley

*Masters in Cybersecurity*

Berkeley, CA

*Jan. 2024 – Jan. 2026*

## EXPERIENCE

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### Software Engineering Intern

*Intel Corporation*

Santa Clara, CA

*June 2022 – Present*

- Reduce technical debt within Intel data centers by developing and refining internal tools with Python and Linux
- Increase efficiency for physical touch work by providing remote access to metadata for a given data center using Python
- Monitor and transport client storage tapes via Iron Mountain and Intel API
- Restore an average of 50 client servers a day using Linux and remote interfaces

### Software Engineering Intern

*Prelim*

Stockton, CA

*Jul. 2020 – March 2022*

- Organized client information into excel spreadsheets for easy contact and quick reference
- Increased client application process efficiency by building digital applications in the Prelim interface using React and Node.js
- Mapped fields from digital applications to the corresponding PDF fields to generate usable documents with adobe tools

## PROJECTS

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### In the Kitchen | *React Native, Node.js, Express.js, MongoDB, AWS Elastic Beanstalk*

June 2023 – July 2023

- Managed and coordinated meetings, tasks, and planning for the team project using Agile/Scrum Methodologies
- Developed a full-stack platform to centralize communication in the Pickle Ball community
- Provides users with direct messaging capabilities and a friend system using a combination off long-polling and web sockets
- Supports image uploads as posts to the home page or changes to a user profile using MongoDB and Express.js

### Meetcode | *React.js, CSS, Express.js, Node.js, MongoDB, Socket.io*

May 2022 – June 2022

- Pairs users to solve common coding interview type questions using sockets and Express.js
- Developed a user-friendly web interface using React.js and CSS
- Stores user authentication and profile information in MongoDB with password salting and encryption for enhanced security
- Supports a shared editor for users to utilize together with flexibility in languages

### Discord Q&A AI | *Python, Discord.py, Natural Language Processing*

October 2021 – December 2021

- Removes redundancy in large servers by responding to questions asked with a link to similar questions previously asked
- Distinguishes a sentence as a question by removing stop words and analyzing key words via natural language processing

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, JavaScript, HTML/CSS, Swift

**Frameworks:** React, React Native, Node.js, Linux/Unix, Express.js

**Developer Tools:** Git, Docker, VS Code, Visual Studio, Eclipse

**Other:** Computer Networking, Data Structures and Algorithms, Agile, Scrum