

# TONY S. YU

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## SUMMARY

Goal-oriented, proactive full stack software engineer with a background in financial reporting and data analysis. Experience managing people, building user focused tools, and improving efficiency. Along with empathy, I bring a unique perspective from my prior experiences to engineering team in building innovative and intuitive applications/solutions. My goal is to provide users with positive experiences that make their lives easier.

## SKILLS

### Technical Skills

- JavaScript (ES6), Node.js, Express, React, Redux, HTML/CSS, JQuery
- SQL, MongoDB, Mongoose
- Python, Django
- RESTful APIs

**Soft Skills** – Empathy, problem solving, cross-functional collaboration and management, effective verbal & written communication

## PROJECTS

- [Plum & Pear Store and API](#) - Developed MERN e-commerce site with login auth that served both the shop owners and customers. Created Node server API, designed data structure, constructed front-end with React and React router for site navigation. Built user specific shopping cart, ability to “like” the merchandise, and payment functionality.  
[React, Express, MongoDB, Mongoose, Node server API, payment API](#)
- [Cello shop inventory management app](#) - Built an inventory management app. Developed RESTful back-end API using Express router and middleware, designed data model using MongoDB. Constructed summary page using EJS temple and embedded Google chart API.  
[Express, Node.js, MongoDB, Mongoose, EJS, Bootstrap, Google chart API](#)
- [“Wayfayer” travel blog site](#) - Created a responsive blog site using Django framework. Built signup and login modal, universal modal close button, add blog, limiting blog text display, automated welcome email.  
[Python, Django, DTL, PostgreSQL, Bootstrap](#)
- [Responsive online game](#) - Created a fast-pace game inspired by 90’s Tamagotchi game. Constructed responsive web page with HTML/CSS and plugin. Developed game algorithms using JavaScript.  
[JavaScript, jQuery, HTML, CSS](#)
- [Skin-care review site](#) - Built a product review site in 24 hours by collaborating with UX designers. Created product show page html/EJS template. Designed RESTful API with [Express, Node.js, MongoDB](#)
- [Plum & Pear tech career path site](#) (personal project, May 2020) - Created a site that used plain vanilla JS to create a responsive carousel with cards of various widths. [JavaScript, HTML, CSS](#)
- [Personal Spotify music list update](#) (personal project, Apr 2020) - Created web app algorithms using React to pull & update playlist via Spotify API. [React, JavaScript, Spotify API](#)

## EXPERIENCE

General Assembly Immersive Program, San Francisco, CA

Jun 2020 – Sep 2020

### Full Stack Software Engineer

- Developed and designed applications using programming best practice, technical knowledge (JavaScript, React, Redux, Python, Node.js, MongoDB, SQL, etc.), and optimizing code.
- Leveraged project management and leadership skills along with Agile Development principles to ensure applications are completed on time and met the requirements.
- Completed over 600 hours of programming, projects, and expert-led instruction; gained a working knowledge of software development technologies.

Silicon Valley Bank, Santa Clara, CA

Feb 2015 – Feb 2020

### Analysis and Insights Manager

- Responsible for reporting analyses of \$150 billion clients' funds including tracking pre-IPO and IPO of technology and life-science industries, product trend, performance, and funding impact
- Slashed processing time in half (3 weeks to 1.5 weeks) by reengineering process flow and practicing Agile Development principles.
- Developed an action driven, user focused UX reporting tool for executives and sales teams by leading and collaborating closely with product and software development teams.

### Asset Liability Manager

Sep 2009 – Jan 2015

- Implemented new planning software application, engaged team through technical mentoring, and reduced IT support response time.
- Developed and improved dashboards effectiveness by partnering with stakeholders, software development, portfolio, and product teams.
- Effectively communicated analysis and translated technical results to senior management.

JP Morgan Chase, Seattle, WA

2005 – Apr 2009

### Modeling Software System Manager

- Responsible for \$300 billion monthly balance sheet modeling process and financial risks.
- Slashed modeling software enhancement turnaround time by 14 days through actively partnering and engaging with stakeholders.
- Directed modeling software development testing plan to be complete on time; developed testing that included optimizing code, functionality, and database.

## EDUCATION

General Assembly Immersive Program, Full Stack Software Engineer (Jun – Sep 2020)

University of California, Berkeley, completed coursework for M.S. Nuclear Engineering

University of California, Berkeley, B.S. Nuclear Engineering