

# Thomas Burgess

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## Experience

### Team Lead and Software Engineer, MeetKai, Dec 2020 - Present

- Started as an intern, was promoted to full-time after 6 months, and to team lead a month later.
- Used machine learning to assist in developing deduping and personalization systems.
- Built an NLP tool that improved our error rate from >10% to 0%.
- Wrote scripts in Go to scrape, parse, and export millions of items from various sites.

### Software Engineer Intern, Lockheed Martin Aeronautics, May 2020 - Dec 2020

- Worked on the F-35 weapons team.
- Completed coding, testing, and debugging tasks involving various weapon systems using C++.
- Led effort to automate the build and test processes using Jenkins and Python.

### VP of Finance, HR, and IT, Student Government Association, Mar 2019 - May 2020

- Oversaw the reallocation of a nearly million dollar budget to reduce costs in preparation for state minimum wage hike.
- Supervised more than 20 SGA employees to ensure proper implementation of human resources policies and work schedules.

### Computer Science Intern, Biola University, May 2019 - June 2019

- Designed, programmed, and tested the front and back end of a database solution to enter and store patient data using a LAMP stack.
- Built data analysis tools in R for use in analyzing gene expression data.

## Projects

### Negated Entity Parser Python, spaCy

- Given "I really want pizza but I hate Domino's" the parser returns "Domino's" as negated.
- "I want a non-animated children's show that isn't by Disney" returns "animated" and "Disney" as negated.

### Web Scrapers Go

- Scraped API's and HTML using concurrent goroutines.
- Parsed the data into useful structs and then exported to JSON Lines or directly to an endpoint.

## Education

### Bachelor of Computer Science, Biola University, anticipated Dec 2021

- 3.9 GPA
- Stewart Science Honors Program - Participate in specialized coursework, on-campus research, and dialogue with leaders in STEM.
- Torrey Honors College - The top Great Books Program in the country, taken in addition to my major specific courses. Consists of reading, writing, and discussing.

## Skills

- Experienced with **C++, Python, Go, Linux, spaCy**
- Familiar with **R, PHP, mySQL, HTML, CSS, JavaScript**
- **Ethereum** enthusiast: ninjinka.eth