

BENEDICT TAGUINOD

[✎ benedict-taguinod.com](https://benedict-taguinod.com) [✉ benedict.a.taguinod@gmail.com](mailto:benedict.a.taguinod@gmail.com) [in linkedin.com/in/benedict-taguinod](https://linkedin.com/in/benedict-taguinod) github.com/btaguinod

Education

University of California, Berkeley

Jun. 2020 – May 2023

Bachelor of Science in Electrical Engineering and Computer Science

Berkeley, CA

Technical Skills

Languages: Python, Java, C, C++, HTML/CSS, JavaScript, SQL, Go

Technologies/Frameworks: React, NumPy, Flask, Django, MongoDB, PostgreSQL, Kubernetes, Helm, Terraform

Experience

Hewlett Packard Enterprise

June 2023 - Present

Cloud Developer

San Jose, CA

- Developed a network automation service in Go that simplifies network switch setup and management for Private Cloud Business Edition (PCBE).
- Implemented unit, functional, and contract testing using Go to eliminate bugs for various microservices within PCBE.
- Collaborated with local and international teams to unify understanding of service requirements and prevent work duplication, improving development efficiency for dependent applications.
- Designed and led the creation of Terraform as a Service, a Go application that streamlines the Terraform deployment process for internal developers by automating 60% of deployment stages.

Conectado

Aug 2022 - May 2023

Researcher and Edtech Intern

Berkeley, CA

- Collaborated with other researchers in creating a report of suggestions for Conectado's education platform.
- Led research team in creating guidelines for Conectado's mentorship program.
- Designed UIs and user flow diagrams for user sign-in and gameplay using Figma and Lucidchart.
- Developed an interactive virtual classroom to demonstrate the feasibility of a virtual reality education platform.

Hewlett Packard Enterprise

May 2022 - Aug 2022

Software Engineering Intern

San Jose, CA

- Implemented features for a Helm Chart management tool using Go and React to simplify Kubernetes deployment management for other teams.
- Created and updated Terraform modules to streamline application deployment for internal developers.
- Designed and built an internal tool using Python to translate Helm Chart requirements into Terraform modules.

Personal Projects

Purple Politics (purplepoliticsevents.com) | Flask, Python, HTML/CSS, React, MongoDB, IBM NLU API, Algolia

- Designed and implemented a website using React that shows 4000+ news articles with analysis and search functionality.
- Built a clustering algorithm with Numpy and NLTK that uses TF-IDF vector comparisons and incremental k-means clustering to group news articles by topic.
- Created a scheduled task that aggregates news articles from 9 sources, analyzes their text using IBM's Natural Language Understanding API, clusters them, and stores them in cloud databases from MongoDB Atlas and Algolia.
- Hosted a Flask REST API server on Heroku to retrieve, sort, and serve news articles.

Extracurriculars

Conectado

Dec. 2023 – Present

Mentor

Berkeley, CA

- Hosted weekly mentorship check-ins centered around my experiences in computer science.
- Discussed the importance of self-love, agency, self-advocacy, networking, and feedback with my mentee.
- Provided continuous feedback to program administrators to improve future mentorship programs.
- Supported a team of software engineering interns in developing full-stack applications.