

# Timothy Rediehs

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<https://timthetic.github.io/>

## EDUCATION

### University of California, Los Angeles (UCLA)

Expected June 2021

Major: Bachelor of Science, Computer Science

GPA: 3.80

Coursework: Parallel and Distributed Computing, Scalable Internet Services

## EXPERIENCE

### Software Engineering Intern

July 2020 – September 2020

Arista Networks, California – Remote

- Designed a database schema and API contract for an internal service that provides an interface for front end tools to manage on-premise servers
  - Implemented the API using gRPC and Go

### Software Engineering Intern

July 2019 – September 2019

Procore Technologies, Carpinteria CA

- Added functionality to RESTful API endpoints to suit customer needs using Ruby on Rails
- Fixed orphaned database records using Ruby on Rails and PostgreSQL

## PROJECTS

### DownToMeet

University of California, Los Angeles (UCLA)

October – December 2020

- Built a web app in JavaScript and Go for creating impromptu get-togethers for nearby people with similar hobbies
- Created a high coverage test suite for our REST API using Go's testing library

### Bruin Quest Web App

July – November 2020

ACM Hack at UCLA

- Built a web app using MongoDB, Express, React, and NodeJS that served 60 to 80 people
- Deployed the app using Google Cloud.

### Utilities iOS App for Magic: The Gathering

July 2018

Independent

- Designed and created a program in Swift that keeps track of the game state
- Created a local database of cards that the app could query and display

## STUDENT ORGANIZATIONS

### UCLA, Association for Computing Machinery – Hack

November 2018 – Present

- Led a web development workshop series that includes Node and React
  - Taught a workshop about asynchronous web development using JavaScript
- Led a programming tools workshop series where I taught a workshop on Git

## TECHNICAL SKILLS

C++, Python, JavaScript, Golang, Ruby on Rails, Java, React, NodeJS, OpenMP, OpenCL, MPI, cloud computing, unit testing, version control (Git), distributed computing, REST API, PostgreSQL