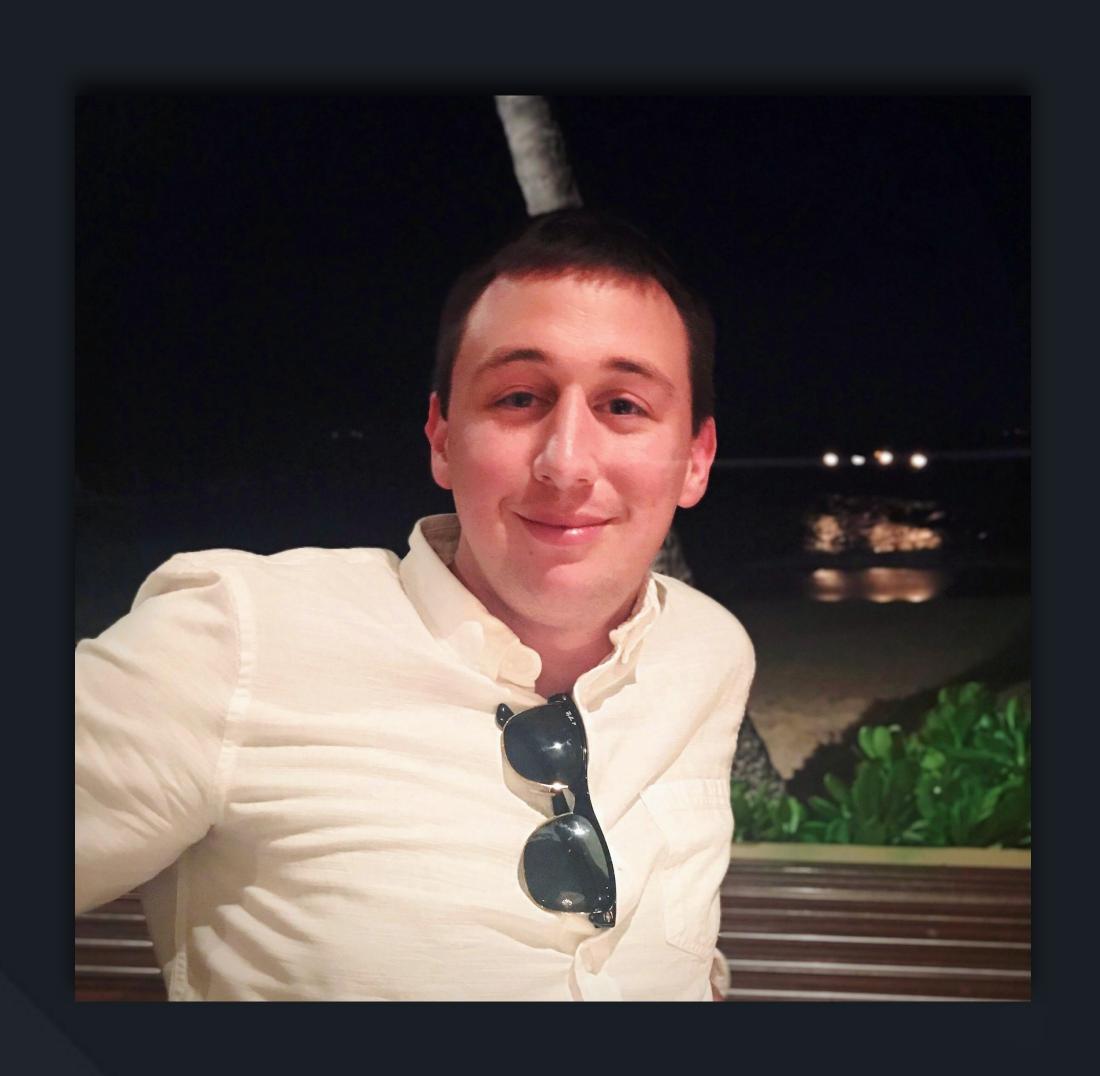
# INTRO TO BACKEND DEVELOPMENT

DAY 16

05/05/2021 Instructor - Casey Wilson TA - Kevin Dublin

# Meet the Instructor



#### Name

Casey Wilson

#### **Current Job**

Database Architect
@PressedJuicery

#### Qualifications

• BS in Computer Science

#### Hobbies

Fitness, gardening, movies video games, and wine

# Meet the TA



### Name

Kevin Dublin

### Current Job

Author and Editor

## Qualifications

Django Enthusiast

## Hobbies

 Poetry, Prose, Scripts, and Code

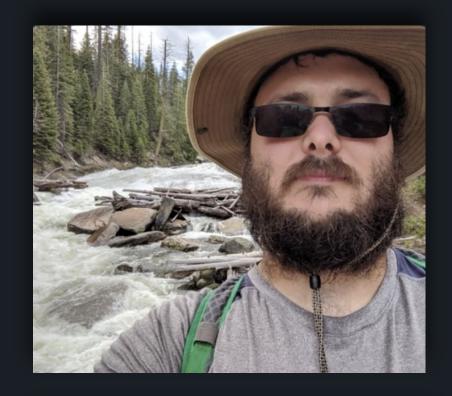
# Meet Your Backend Team

**Bryce** 



Key

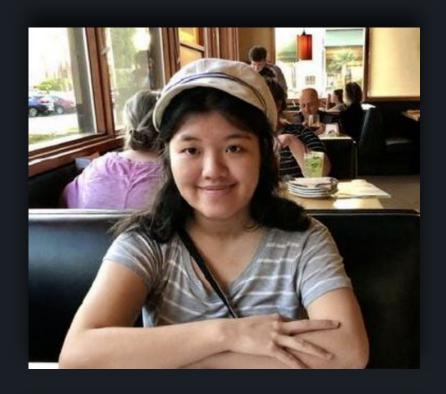
Steven





Elias

Connie

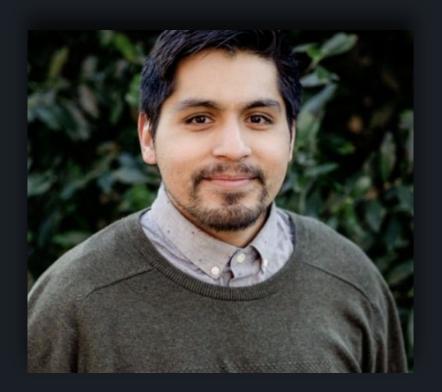






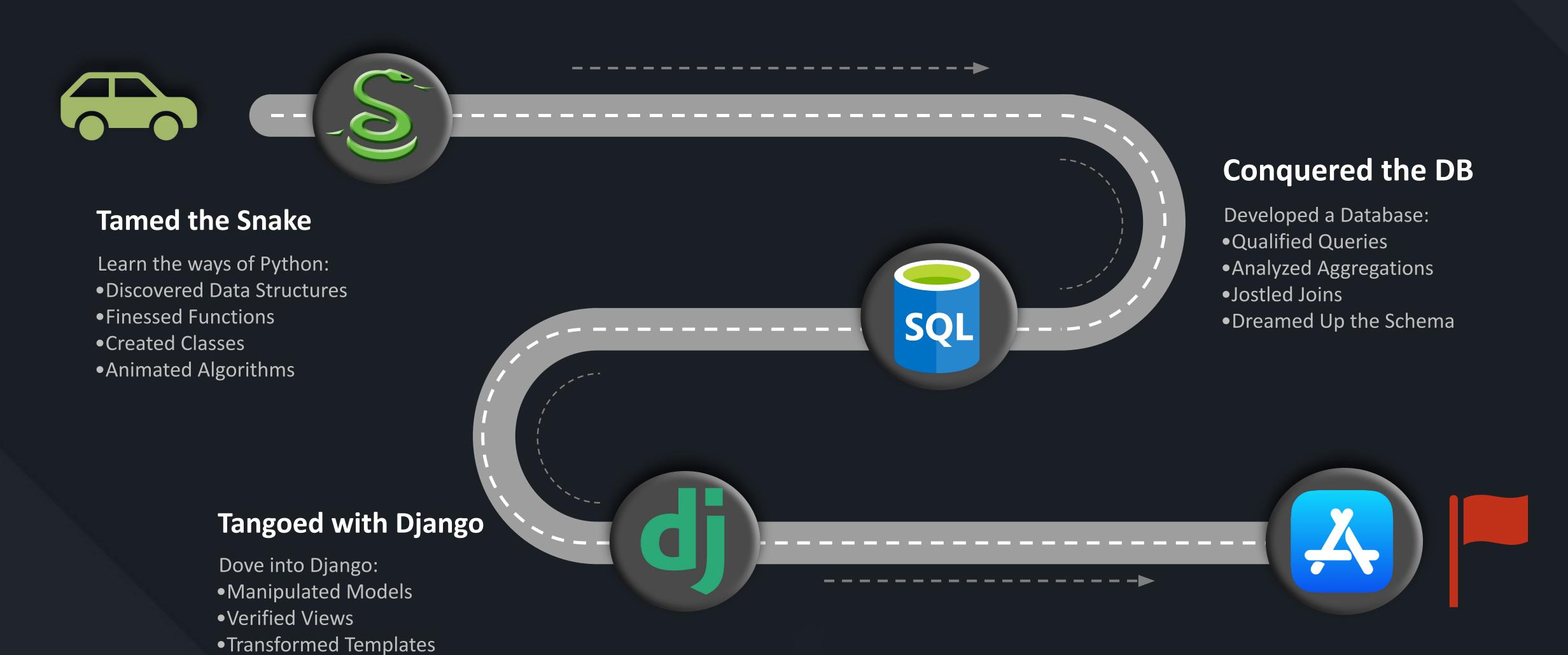
Jay





Gabriel

# Roadmap - Intro to Backend Timeline



Activated APIs

# The Mission



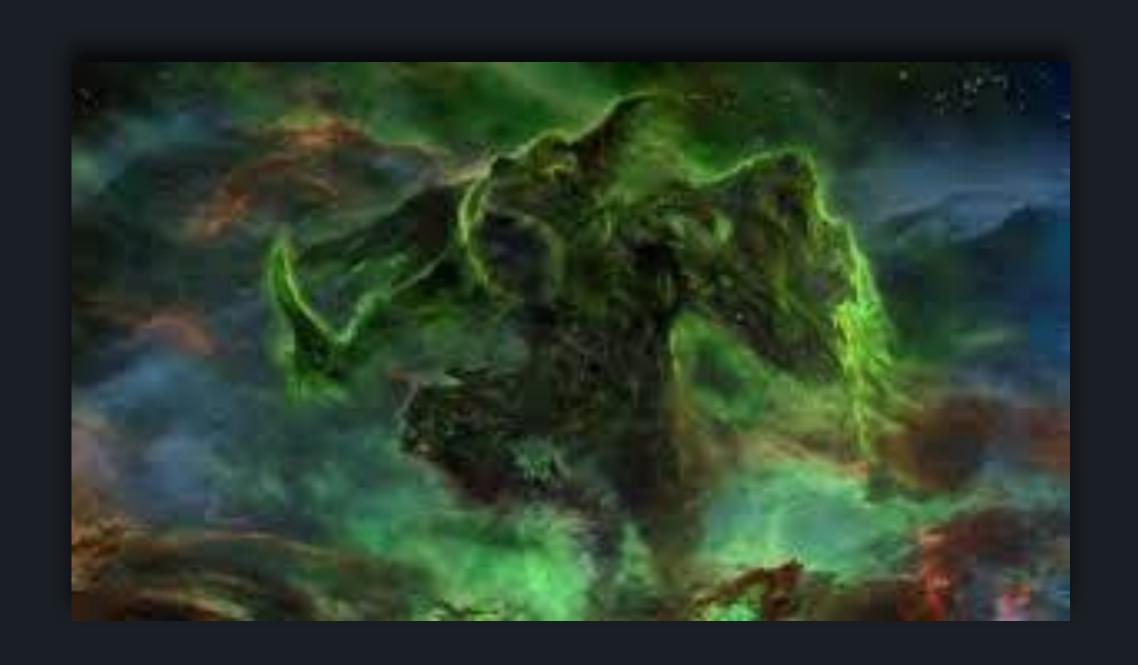
# Minimum Requirements:

- Pick a topic
- Create a Database Design
- Construct the Database
- Choose a Path
- Program logic for CRUD (Create, Read, Update, Delete)
- Engineer the Final Product

# The Path



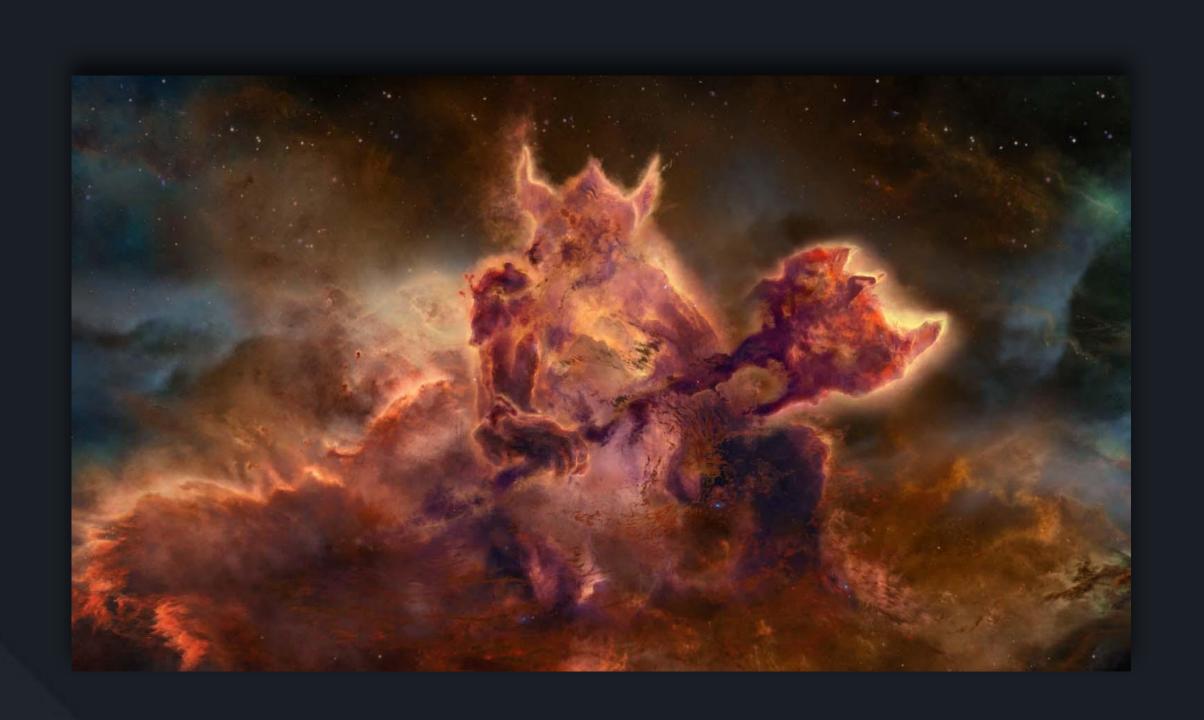
# The Path - Admin



### Admin Path:

- Utilize and Extend Django Admin
- Implement CRUD using built in methods
- Expand on base layout with Class Properties
- Create custom functions
- Master basic authentication
- Use internal routing for easy scaffolding

# The Path - MVT (Monolithic)



## Model View Template Path:

- Utilize Django's full architecture
- Implement CRUD using custom methods and inherited properties
- Create performant query sets to interact with database
- Design a common theme and unique look
- Master the Django Way
- Customize routing using HTML Web protocols (GET, POST, PUT, etc)

# The Path - API



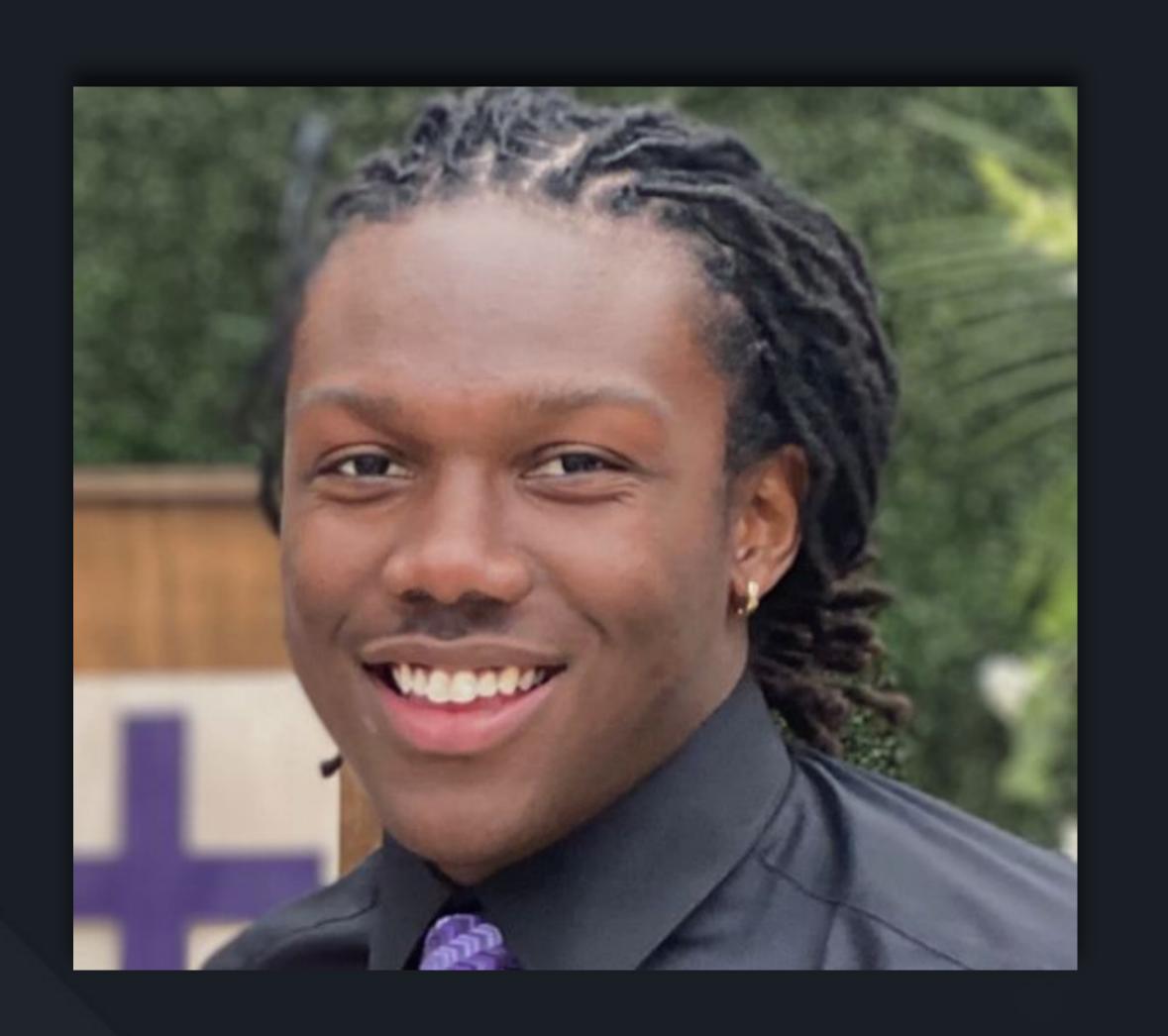
#### API Path:

- Utilize a mix of Django and a Javascript framework (Vue, React, Angular)
- Given the choice to couple or decouple
- Implement CRUD using API calls (preferably with Django Rest Framework)
- Create performant view sets to interact with database via the API
- Design a responsive and engaging frontend using the JS Framework
- Master the Django API creation and deployment
- Customize routing using a JS router (SPA)

# Presentation Time



# Presentation - Bryce



### Student

Bryce Jackson

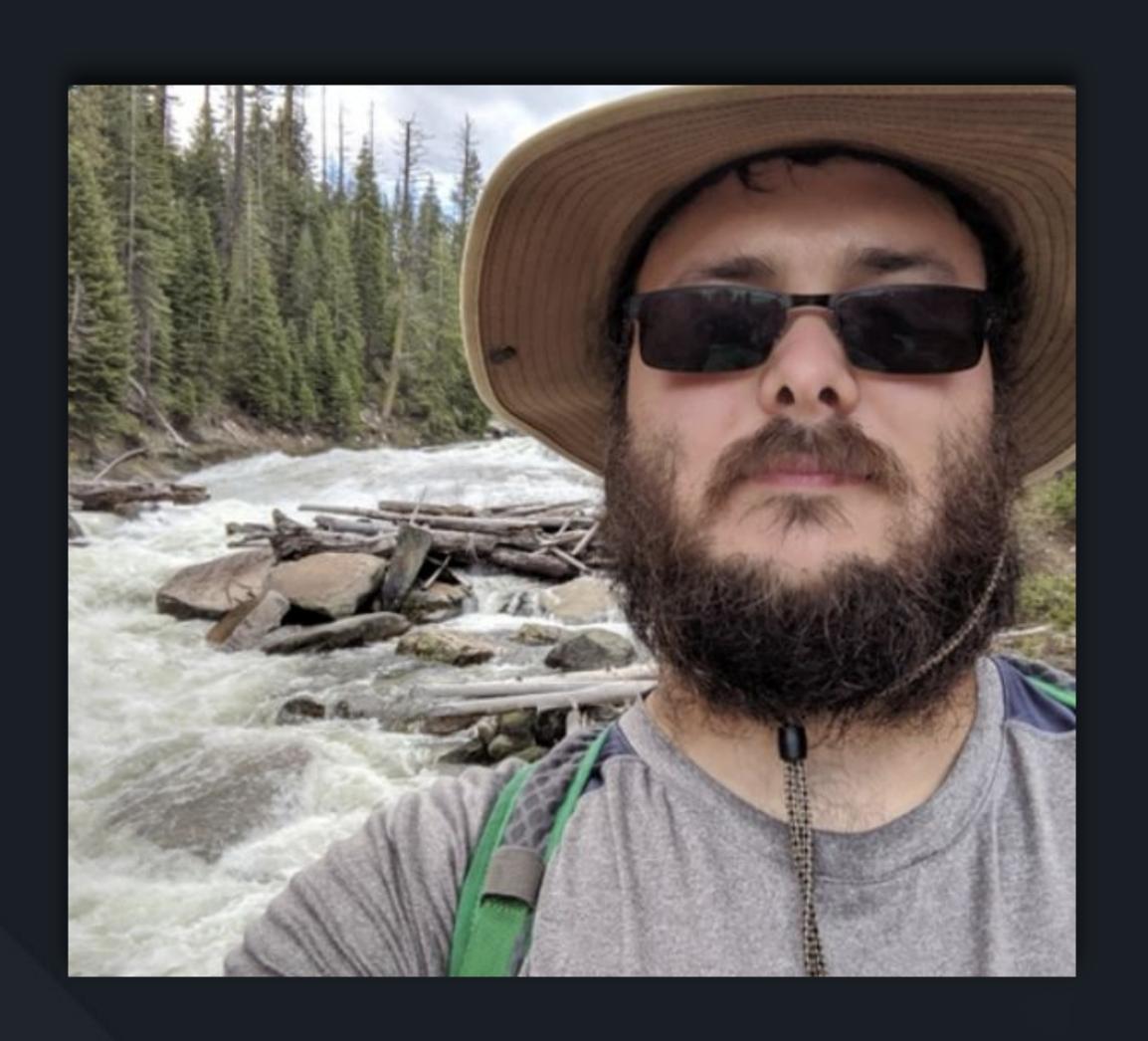
## App

Library Checkout System

#### Path

Admin + API

# Presentation - Steven



### Student

Steven Duran

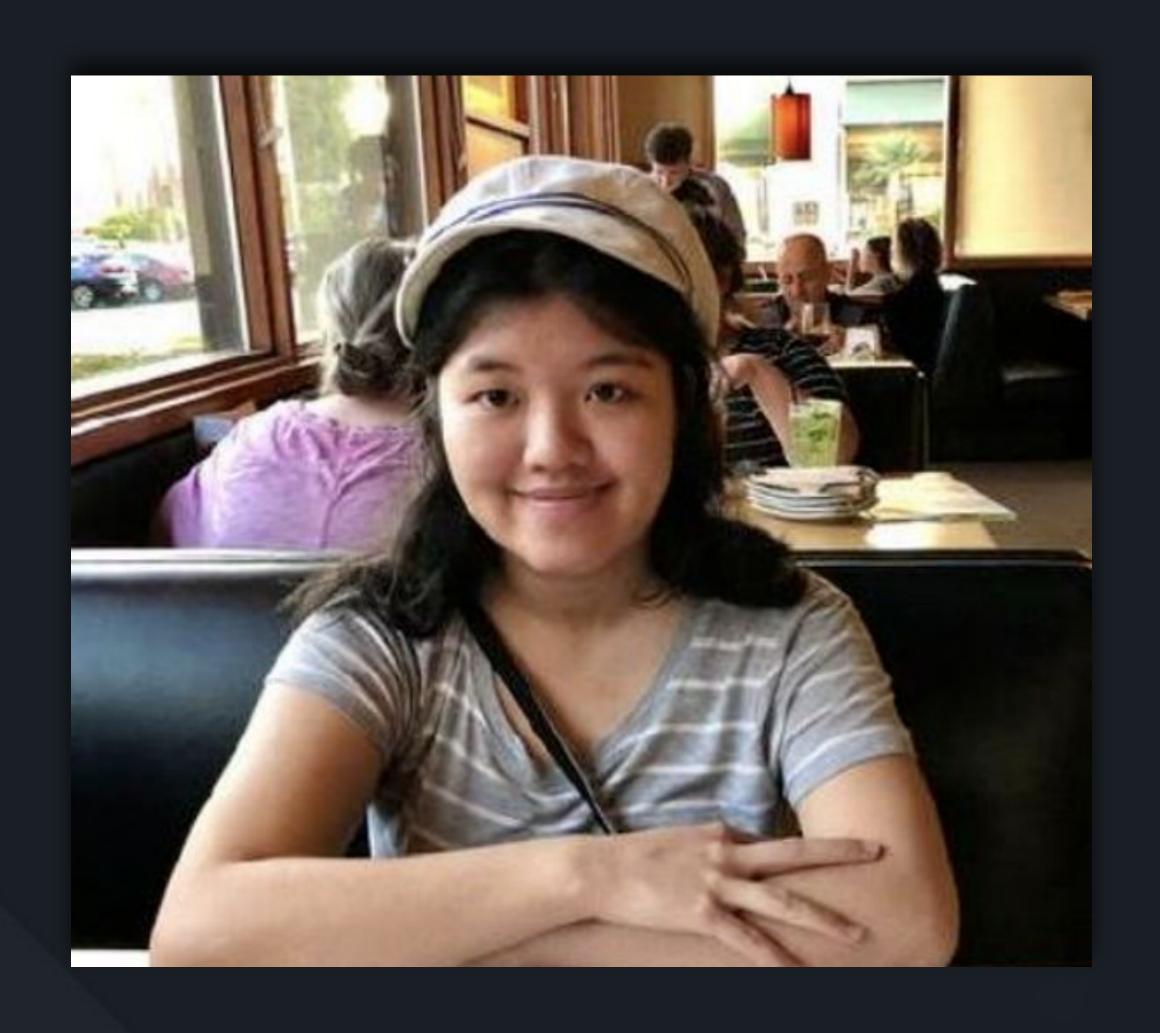
# App

Board Game Tracker

## Path

Admin + API

# Presentation - Connie



### Student

Connie Lai

# App

Django Shop

### Path

Admin + MVT + API

# Presentation - Jay



### Student

Jay Dampitan

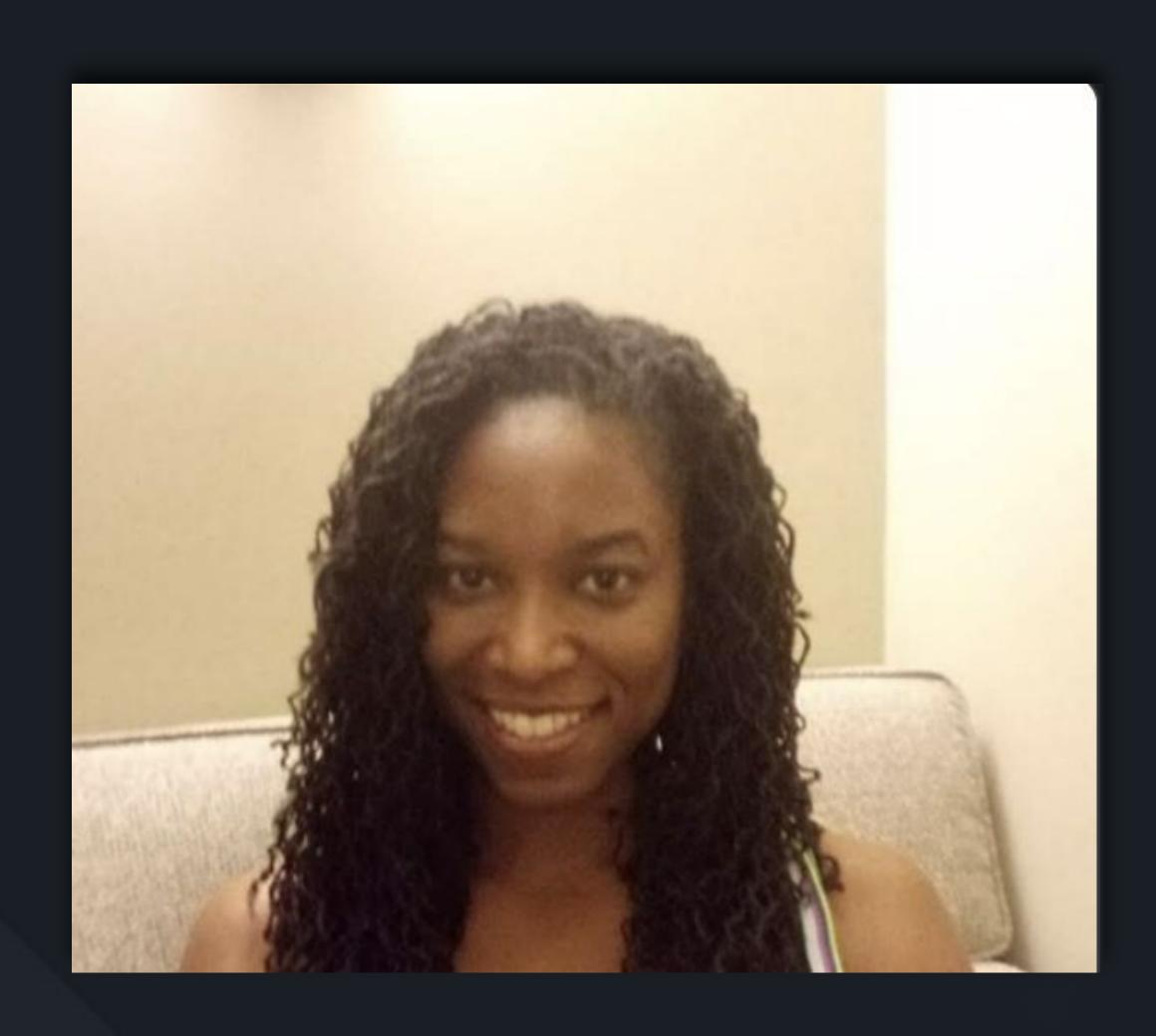
# App

Jay's Blog

#### Path

Admin + MVT + API

# Presentation - Key



### Student

Key Doby

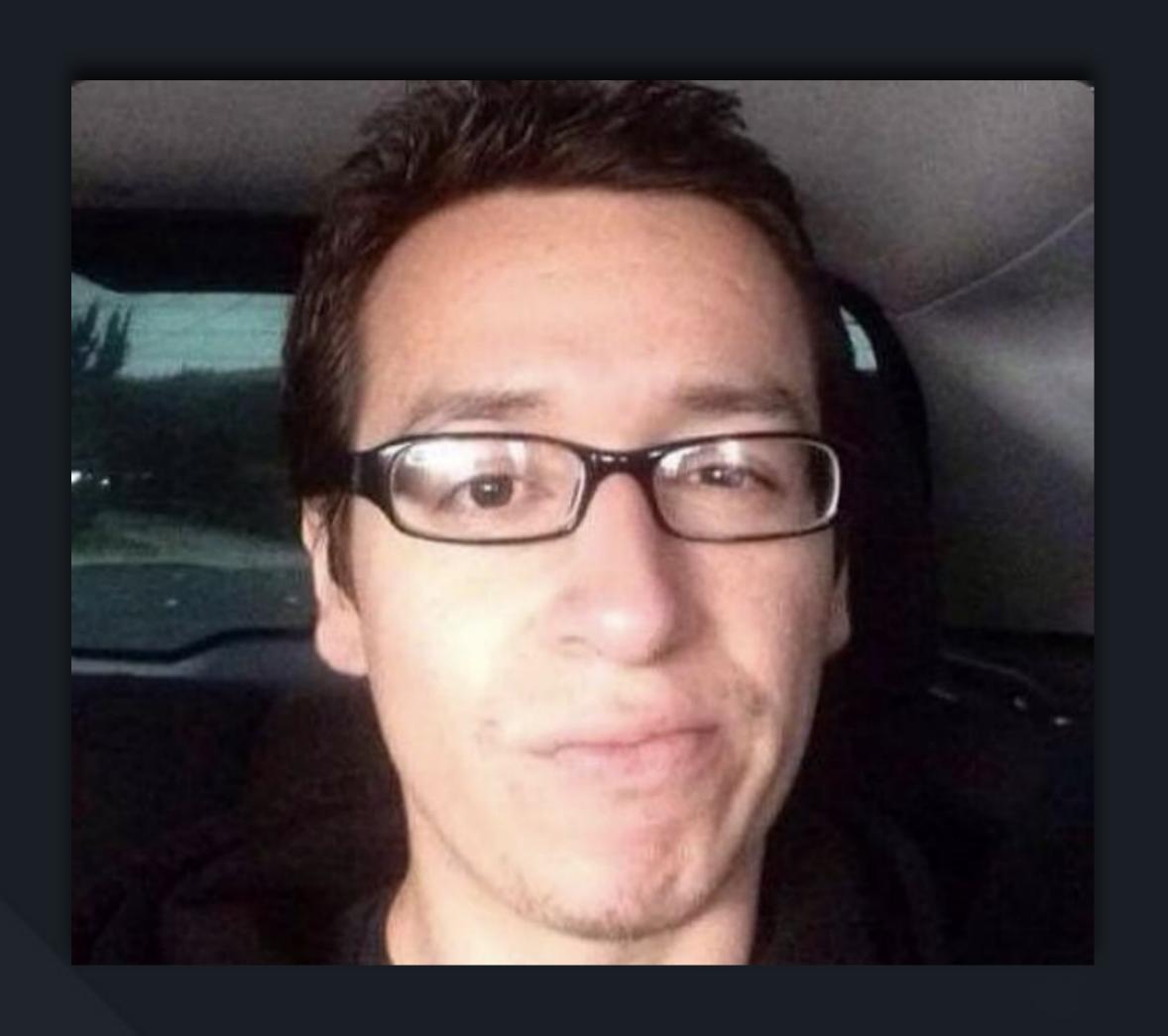
## App

Butler's Earthseed

#### Path

Admin + MVT

# Presentation - Elias



### Student

Elias Gutierrez

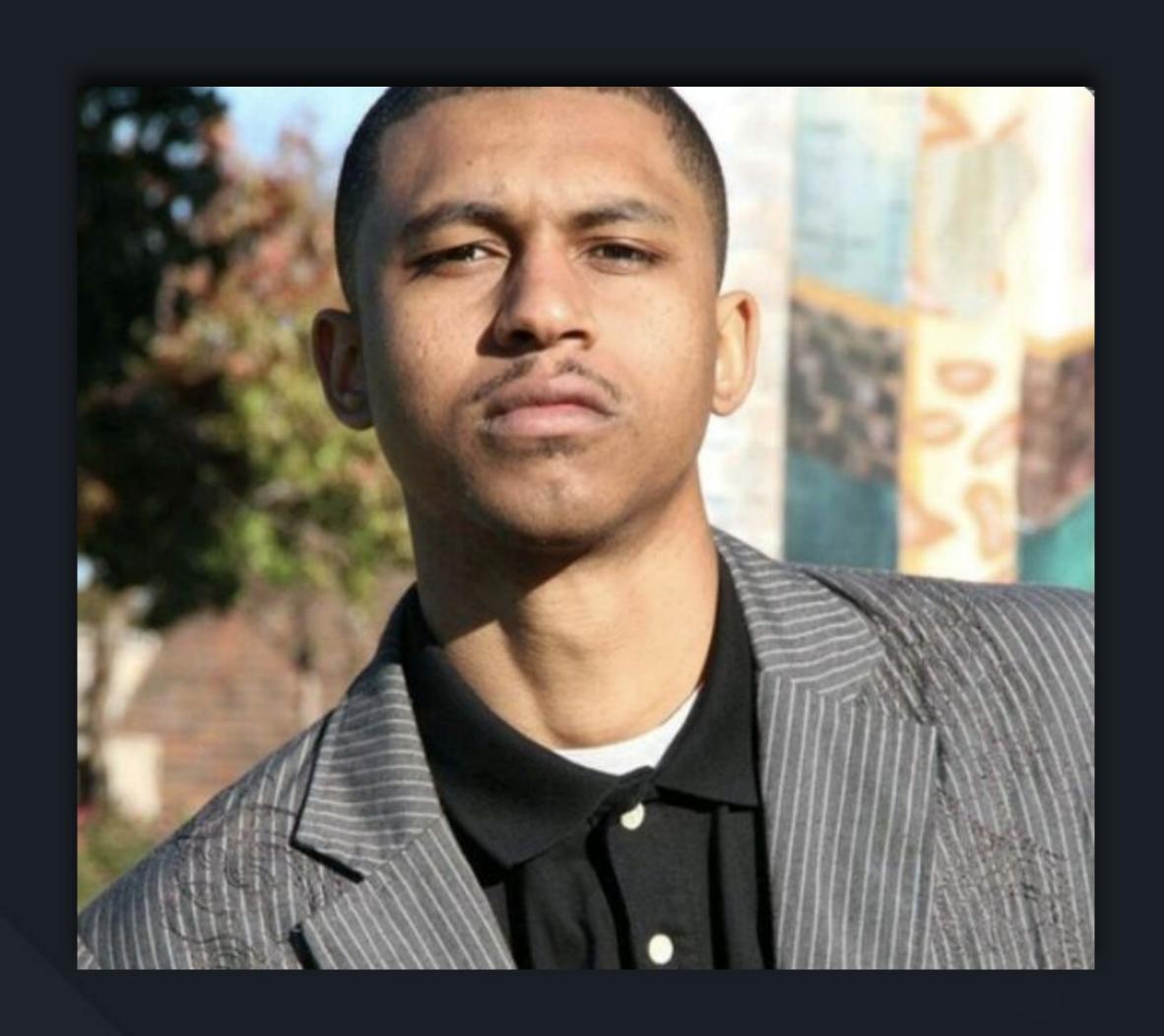
# App

Foodtruck Management

### Path

Admin + API

# Presentation - Caleb



### Student

Caleb Harris

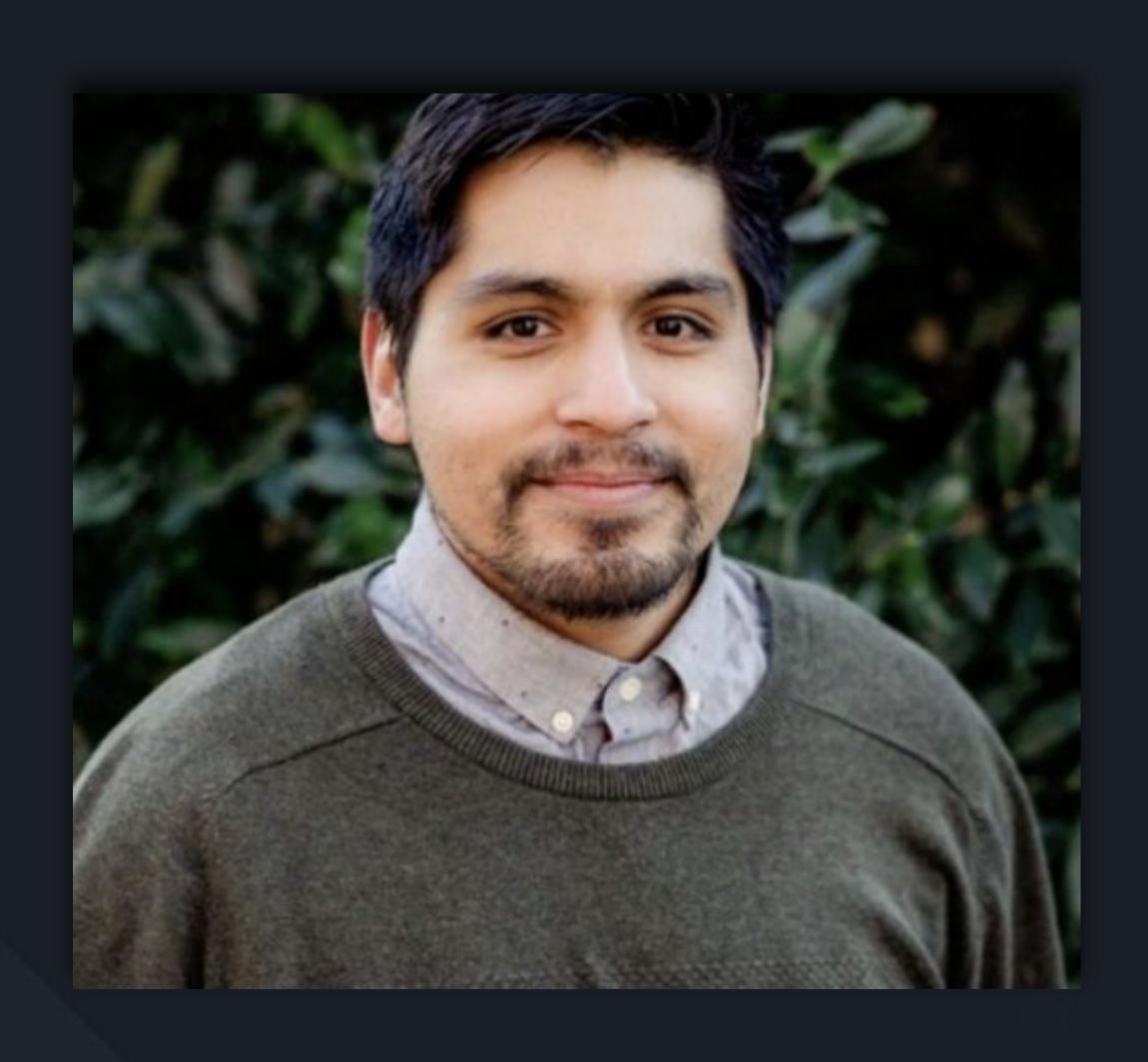
# App

Gym Management

#### Path

Admin + MVT

# Presentation - Gabriel



### Student

Gabriel Rios

## App

Tenant Management

#### Path

Admin + MVT

# Thank you!

