

# Adam Perea-Kane

## Software Developer

Phone: (603) 953-4244

Email: adamkane@protonmail.com



### PROJECTS

#### Product Tracker — Full Stack Django/React/MySQL

- Saves hundreds of man hours by automatically scheduling data mining with Celery, and RabbitMQ for more than 30,000 products.
- Integrates third party APIs and Python scraping libraries including Requests, BeautifulSoup and Selenium WebDriver.

#### Taut Messenger — Full Stack React/Rails/PostgreSQL

- REST Api handles CRUD tasks including front and back end user authentication, public channel creation, and direct messaging.
- Chat Bots perform Shakespeare through multithreading to avoid blocking the server.
- WebSockets protocol for real time experience.

( [Github](#) | [Live](#) )

#### State Space Chess Visualizer — Dynamic Webpage

- Object Oriented Programming best practices implements a minimalist public API with no global mutable state.
- Searches over 7,000 nodes per second using the Minimax algorithm optimized with alpha beta pruning and domain specific heuristics.
- Dynamic visualizations with D3.js to demonstrate the algorithm's results in an elegant and intuitive radial tree.

( [Github](#) | [Live](#) )

#### Bitwise Tetris — JavaScript Browser Game using Canvas

- Bitwise functions used to calculate piece rotation and collision detection for this classic game.
- Node Package Manager, WebPack and ES6 Syntax used for robust, modular, and DRY code.

( [Github](#) | [Live](#) )

### PROFESSIONAL EXPERIENCE

#### Capra LLC — Owner and Software Developer (2017-2019)

- Co-founded and ran all aspects of e-Commerce company from accounting, sales and marketing to market research and software development.
- Worked in small team to develop software solutions to business problems from product selection to automating pricing and ordering.

#### Syriac Research Portal — Research Assistant (2011-2014)

- Developed application to parse, compile, and update data to help build largest database of historical information on Christianity in the Middle East ([live](#))

### LANGUAGES

Ruby  
Javascript (ES6)  
Python

### Skills

Ruby on Rails  
React.js  
Redux  
SQL  
Docker  
Jenkins  
HTML / CSS  
TDD

### ACADEMIC EXPERIENCE

#### App Academy

1000-hour course with 3% acceptance rate and an emphasis on coding style, pair programming, and best practices. (2018)

#### Princeton University

Performed two years of study in pursuit of PhD in History before exiting program (2016 - 2018)

#### Oxford University

Master's of Philosophy (2014-2016)

#### Saint Michael's College

Triple Major in Philosophy, Classics, and Religion (2010 - 2014)