**CHRIS K. DARAKJIAN**

Full-Stack Web Developer

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**Purpose**

Hi, I am a passionate Full Stack Web Developer who loves to create websites using React, Django, MEAN Stack, Java Spring Boot, and AWS services.My portfolio: <http://34.216.74.243>

**Education**

**Master of Science, Chemistry** (Analytical / Computational Emphasis) June 2015

California State University, Los Angeles

*Thesis on Microfluidic Fuel Cells:*

[*https://fuelcell.s3-us-west-2.amazonaws.com/ckd.pdf*](https://fuelcell.s3-us-west-2.amazonaws.com/ckd.pdf)

**Bachelor of Science, Biochemistry,** Minor in Business Admin. June 2009

University of California, Riverside

**Portfolio**

<http://34.216.74.243>

**(Django) Ecommerce Store: “Poofy Paradise”** [github.com/ckd1618/poofy](https://github.com/ckd1618/poofy%20)

* Users can purchase Bean Bags and Plushies online, & view their purchase details.
* Admin can add new products and restock supplies easily with the admin dashboard.
* Built with Django, SQLite, Bootstrap (mobile responsive), & AWS EC2 (Linux 16.04).
* Used Stripe to process payments, and Mailgun to send emails to customers.

**(MEAN Stack) NASA Hackathon Project** [github.com/disasterCkd](https://github.com/disasterCkd)

* Users can make an emergency list of items in preparation for a natural disaster.
* Covers natural disasters: Fires, Earthquakes, Floods, Tornados & Nuclear Fallout.
* Tech Used: Angular, Express.js, Mongo DB, Node.js, Bootstrap, Postman, AWS EC2.

**(React) “Utube-Yahtzee”** [github.com/ckd1618/UtubeYahtzee](https://github.com/ckd1618/UtubeYahtzee)

* Users are able to play an interactive game of Yahtzee – selecting & rolling 5 dice.
* Users are simultaneously able to search & watch Youtube videos while playing.
* Tech used: *React, AWS S3, Bootstrap, react-particles-js, Semantic UI, Ajax*

**(Java Spring Boot) “Ideas”** [github.com/ckd1618/java\_springboot\_app](https://github.com/ckd1618/java_springboot_app)

* Users can register/login, post ideas to a dashboard, and can “like” posts they read.
* A website where users can post ideas on a dashboard to gauge local approval.
* Java Spring Boot is the backend framework, and MySQL is the database used.

**(AWS Lambda) “Serverless Chat”** [github.com/ckd1618/ChatOnline\_AWSLambda](https://github.com/ckd1618/ChatOnline_AWSLambda)

* Users can register/login, & create chat rooms to communicate without a server.
* Frontend Javascript sends requests via AWS API Gateway to AWS Lambda.
* AWS Lambda communicates with AWS DynamoDB and AWS Cognito.
* DynamoDB is a NoSQL database where chats are stored. Cognito signs users in/out.
* Static content is stored in AWS S3 and accelerated to the user with AWS CloudFront.

**Work Experience**

**Freelance AI Trading Engineer** Nov 2018 – June 2019

Generated buy/sell trading signals using AI. github.com/ckd1618/ai4trading

Utilized AI technologies: *NLP, RNN, LSTM, Random Forests*

*Udacity Artificial Intelligence in Trading Nanodegree*

**Freelance Full Stack Web Developer** June 2018 – Oct 2018

Built websites using React, MEAN Stack, Django, Java Spring Boot, & AWS EC2.

*Coding Dojo, Burbank*

**Professor of Chemistry** *Aug 2016 – Dec 2018*

Served as an adjunct Professor of Chemistry teaching Lectures, Labs, and Recitations.

*CSU Los Angeles | Pasadena City College | LA Valley College*

**Languages**

Javascript

Python

Java

SQL

HTML

CSS

**Backend**

Django

Node

Spring Boot

Flask

Java Web Servlet

Express.js

Apache Tomcat

**Frontend**

React

Angular

Bootstrap

Semantic UI

Materialize

**Dev Tools**

MySQL Workbench

Postman

Docker

SQLite Browser

VS code

**Amazon**

EC2

S3

Lambda

IAM

DynamoDB

CloudFront

Cognito

**Databases**

MySQL

NoSQL (MongoDB)

SQLite

**Libraries/Misc.**

Mongoose

Socket.io

Stripe

Jquery

Docker

**Artificial Intelligence**

NLP

RNN

LSTM

Random Forests