

David Ko

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TECHNICAL SKILLS

Proficient: React, Redux, Postgres, Sequelize, Express, Node, Git, HTML/CSS

Knowledgeable: Angular, MongoDB, Mocha, Chai, Enzyme, D3, Electron, OAuth, NumPy, Pandas

EDUCATION

Fullstack Academy, New York, NY

June 2017 – October 2017

Software Engineering Immersive Program

Cornell University, Ithaca, NY

August 2011 – May 2015

B.A. from College of Arts and Sciences in Biological Sciences | GPA: 3.77

PROJECTS

SynQ | *Developer* | October 2017 | github.com/daveyko/SequelSquad

- Created GUI using React-DND in electron.js based desktop application to generate sequelize scripts
- Developed feature to visualize table associations and generate a script to seed tables in correct order
- Integrated an add-on to allow for query visualization using d3

HotSpot | *Sole Developer* | September 2017 | github.com/daveyko/hotspot

- Developed a React HOC to wrap a component and display user click data as a direct transparent overlay
- Created scatter plot and heat map, with toggle and filter options using d3

NYConcerts | *Sole Developer* | February 2017 | github.com/daveyko/concertsmap

- Developed a React app using Spotify, Songkick, and Mapbox APIs displaying NYC concerts by date
- Implemented a feature to allow users to filter concerts by genre, and see concerts in order of popularity

RELEVANT EXPERIENCE

Fullstack Academy, New York, NY

October 2017 – Present

Teaching Fellow/Software Engineer

- Migrated Angular components to React and added a notification feature for company website (LearnDot)
- Debugged, mentored and taught concepts and best practices to 50+ students during daily workshops
- Managed 2 student group projects as a technical mentor, and code reviewer from idea to deployment
- Administered technical interviews for prospective students 2 times weekly

Weill Cornell Medical College, New York, NY

June 2015 – July 2017

Clinical Research Data Coordinator

- Designed normalized schema to enhance data integrity and developed tool (MS Access) for data capture
- Managed repository of Python and SQL scripts pertinent for analysis and generating core KPI charts
- Developed user-driven tool (MS Access) to automate screening across 60+ clinical trials
- Published systematic review of literature outlining disparities in breast cancer outcomes by race

UC Irvine School of Medicine, Irvine, CA

June 2014 – June 2015

Project Researcher

- Published two review papers outlining challenges of advancing surgical diabetes therapy to clinical trials
- Developed 4-phase protocol driving progression of novel diabetes therapy from cellular to animal models