





Mike Chan

SOFTWARE
ENGINEER

PROFILE

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CONTACT

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SKILLS

RUBY
RAILS
JAVASCRIPT
JQUERY
REACT
REDUX
HTML
CSS
SQL
TDD
GIT
DESIGN
HEROKU
AWS
C++

PROJECTS

DISMIKE - RUBY ON RAILS, POSTGRES, JAVASCRIPT, REACT + REDUX, HTML, CSS

[Link](#) | [Github](#) | Full-stack text messaging web application inspired by Discord.

- Created reusable, DRY React components, improving code maintainability and scalability.
- Implemented Rails polymorphic associations to make message associated to channels and direct messages and eager load associated data, reducing database queries and improving performance.
- Utilized Redux to conditionally render dropdown menus for more predictable behavior.
- Incorporated Action Cable web socket features from Rails to simulate real-time messaging

DIETCALC - JAVASCRIPT, REACT, HTML, CSS

[Link](#) | [Github](#) | Calculator used to help determine nutritional needs for patients.

- Utilized higher order components to render specific components using tabs and allowing state and props to persist into child components
- Developed functions to do input checks and prevent any invalid inputs into the component state.

WORD-INVADERS - JAVASCRIPT, JQUERY, HTML, CSS

[Link](#) | [Github](#) | Typing game partially inspired by Alien Invader aimed to improve typing speed

- Utilized jQuery and JavaScript to manipulate visual effects of words deploying into the game
- Applied hash structure to easily remove words from game, improving efficiency

EDUCATION

SOFTWARE ENGINEERING @ APP ACADEMY

Dec. 2016 – Mar. 2017

- 1000-hour software engineering bootcamp with a 3% acceptance rate.

MS HEALTH INFORMATICS @ CUNY BROOKLYN COLLEGE

Aug. 2009 – Aug. 2014

- Graduated with a 3.51 GPA.

Relevant Coursework: Advanced Programming Techniques, Computer Systems and Architecture, Data Structures, Database Systems, Computer Applications in Health Sciences, Discrete Structures, Introduction to Management Information Systems, Analysis of Algorithms

BS HEALTH SCIENCE @ STONY BROOK UNIVERSITY

Aug. 2009 – Aug. 2014

- Graduated with a 3.26 GPA.

Relevant Coursework: Advanced Programming Techniques, Computer Systems and Architecture, Data Structures, Database Systems, Computer Applications in Health Sciences, Discrete Structures, Introduction to Management Information Systems, Analysis of Algorithms

EXPERIENCE

IT INTERN @ MAIMONIDES MEDICAL CENTER

Oct. 2015 – Dec. 2016

- Conducted training sessions to guide users on best practices, reducing database errors by 50%.
- Extracted and organized patient data using queries to create statistical and analytical reports.
- Generated scripts to automate weekly insertion and extraction of data from database, reducing 20 hours per week required for manual data extractions

OPERATION SPECIALIST @ NORTHWESTERN MUTUAL

Aug. 2011 – Sep. 2015

- Organized and streamlined client files into an electronic database for faster retrieval, increasing client portfolio submission by an average of 20 per week
- Served as office tech lead to troubleshoot hardware and software issues.
- Managed and maintained efficiency of operations, leading to a record high office revenue of \$500,000 per month for 3 months in a row