JONATHAN CHEN

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EDUCATION

App Academy   **New York, NY**
Immersive Software Development Bootcamp with Focus on Full Stack Web Development   April 2021 - August 2021

Northwestern University   **Evanston, IL**
Bachelor of Arts in Economics, Minor in Business Institutions   September 2017 - June 2021
- **GPA:** 3.63/4.0; **ACT:** 34/36; **Honors:** Dean's List Fall 2017, Fall 2018, Winter 2019, Spring 2019, Winter 2020
- **Relevant Coursework:** Accounting, Corporate Finance, Investments, Multivariable Calculus, Linear Algebra, Data Structures and Algorithms

PROJECTS

ComfortBnB (React/Redux, Ruby on Rails, PostgreSQL, Google Maps API)   **Live Link | GitHub**
Full Stack Clone of AirBnB with Google Maps API Integration and CRUD functionalities
- Implemented frontend and backend validations for user authentication and reservation dates to display errors at input time and upon submission. Verified date range inclusion for reservations through date formatting and original logic
- Utilized Google Maps API to display property locations and created custom google maps markers and corresponding infowindows styling and logic to ensure a seamless user experience
- Procedurally seeded listing and property attributes including, but not limited to, description, coordinates, price, reviews and rendered using a combination of ActiveRecord queries and DOM manipulation

Moneta (Javascript, HTML Canvas, Chart.js)   **Live Link | GitHub**
Single Page Interactive Stock Market Demo
- Designed and developed a fully interactive website where users can select from a basket of popular consumer stocks to view the growth trajectory of their initial investment, intended to educate users on capital markets, specifically individual stocks and indices
- Formatted monthly adjusted returns data retrieved from AlphaVantage API to accurately calculate annual and total returns for selected stocks and indices with regards to user inputted investment amount
- Animated up to twenty years of historical price data to create an interactive graph, comparing selected stock growth with major indices such as the SPY to highlight the benefits of participating in capital markets

Wabbit (MongoDB/Mongoose, Express.js, React/Redux, Node.js)   **Live Link | GitHub**
MERN Stack Team Project - Data Driven Task Organization App
- Led a team of four developers, managed team responsibilities and oversaw git workflow on frontend and backend. Facilitated daily team standups to recap progress and set daily goals
- Collaborated with backend developers to implement CRUD functionalities for tasks and spearheaded home page design to simplify UI while maximizing UX and functionality
- Utilized jQueryUI sortable widget to create drag and drop feature, updated collection schema and designed backend routes to persist drag and drop order on update

WORK EXPERIENCE

BDO USA, LLP   **Chicago, IL**
Transaction Advisory Intern   February 2020 – January 2021
- Developed Excel and PowerPoint models using VBA to streamline and automate quarterly budget reporting process, saved upwards of 20 hours per month and reduced errors by over 70%
- Worked directly with the national internal development coordinator to manage over 50 project pipelines and facilitating the data management process through CRM and SharePoint database
- Researched the impact of COVID-19 on Private Equity M&A activity, including but not limited to, changes to due diligence efforts, data analytics and supply chain disruption; summarized and presented findings to a panel of senior management

Accelerated Growth Advisors   **Chicago, IL**
Analyst Intern   April 2019 – August 2019
- Collaborated closely with the management team of multiple small to middle market firms and startups to discuss firm growth and financial transformation goals
- Proposed and oversaw implementation of third-party software firmwide, reducing time spent conducting monthly managed services by over 70%
- Created tailored financial models from scratch to fit needs and specification of clients along with videos to explain model assumptions and drivers
- Built a comprehensive 13-week cash flow model for a digital signage company using company balance sheet and income statement information

SKILLS, ACTIVITIES & INTERESTS

Skills: JavaScript, React.js, Node.js, Express.js, HTML, CSS, Python, Ruby, Ruby on Rails, SQL, MongoDB, Mongoose, Java, DrRacket, C++, Stata, VBA, Git, TDD
Languages: Fluent English, Native Mandarin Chinese
Interests: Street Fashion, Sports (Longboarding, Badminton, Frisbee), Music (hip-hop, EDM), Investing, Chess