
PROJECTS

LogHealthy, live demo, github

- Implemented a full-stack application powered by a React.js and flux frontend and a rails backend
- Utilized JavaScript's D3 library within React.js to dynamically visualize user inputted data
- Structured the app to fetch hashes of patient data organized by date and type to minimize server queries
- Created a recursive algorithm to generate message threads by finding all responses of an initial message

TuneCruise, live demo, github

- Designed an interactive JavaScript game by implementing HTML5's audio API to extract data from music
- Integrated SoundCloud's API to allow the game to render unique content based on any user-selected song
- Utilized the browser's frame refresh rate to animate the game smoothly and improve user experience

ActiveRecordThin, github

- Composed an ORM that provides functionality to manipulate SQL databases through Ruby objects
- Configured a SQL Object class that can perform queries and preserve relationships between tables

eCamel, github

- Developed an API wrapper in a team of 3 around eBay's various APIs to extract various product data
- Devised an API call to find recently completed sales for a product and determine summary statistics

TECHNICAL SKILLS & LANGUAGES

- Ruby, Ruby on Rails, JavaScript, jQuery, React.js, Flux, SQL, Git, HTML, CSS, Python

EDUCATION

App Academy, San Francisco, CA

March 2016 - May 2016

- Accepted into a 1,000-hour full-stack programming course that has less than a 5% acceptance rate
- Gained an understanding of Rails, React.js, OOP, scalability, algorithms, and programming best practices

Indiana University, Bloomington, IN

August 2010 - May 2014

Degrees: B.A. in Mathematics and Economics, B.S. in Finance

GPA: 3.6 / 4.0

Relevant Coursework: Linear Algebra, Differential Equations, Probability & Statistics, Logic, Econometrics

SAT I Math: **770**, SAT I Verbal: **730**, SAT I Writing: **750**

Director of Case Competitions, Kelley Student Diversity Council

- Organized the 1st Nationwide Case Competition Circuit focused on improving workplace diversity for 17 corporations by involving 32 top undergraduate universities and raising \$100,000 in sponsorship

Chief Financial Officer, Global Microfinance Brigades - Honduras

- Invested \$1,700 to fund agricultural ventures and stimulated a 20% growth in local lending

Herman B Wells Scholar

- One of 18 students awarded Indiana University's most prestigious academic scholarship; scholarship estimated value of \$120,000 includes tuition, room & board, and a study-abroad stipend

PROFESSIONAL EXPERIENCE

Citigroup Global Markets Inc., New York, NY

June 2013 - February 2016

Investment Banking Analyst, Leveraged Finance

- Advised investment funds and corporations to pursue large scale acquisitions backed by debt capital
- Constructed dynamic models for a leading telecom corporate to successfully acquire \$10.5 bn of assets
- Architected new risk hedging algorithms to reduce hedging costs of transactions by 35% on average
- Executed macros to automate data fetches from Bloomberg databases, reducing completion time by 10x

PNC Financial Services Group, Cleveland, OH

June 2012 - August 2012

Business Systems Analyst

- Managed the development cycle of a mobile application that reduced talent acquisition expenses by \$20,000 annually

RELEVANT LINKS
