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## PROJECTS

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### **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

### **SQL Red**, [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 proprietary APIs to extract various product data
- Devised an API call to find recently completed sales for a product and determine summary statistics

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## TECHNICAL SKILLS & LANGUAGES

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

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## EDUCATION

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### **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
- Applied Rails, React.js, OOP, algorithms, and data structures to design scalable web applications

### **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

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## PROFESSIONAL EXPERIENCE

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### **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 corporation 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

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## RELEVANT LINKS

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