

Cory W. Jbara

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EDUCATION: University of Notre Dame

Bachelor of Science

Computer Science

Notre Dame, IN

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GPA: 3.83/4.00 – Dean's list 2013-2016

EXPERIENCE: Crcl Inc., Lead Engineer - Web, Notre Dame, IN (August 2016-present)

- Leading a team of 4 to design, build, and deploy Crcl's web application, which will serve over 65% of all users of the application
- Building the application using AngularJS with a multi-platform NodeJS backend, creating new RESTful endpoints as necessary, ensuring scalability and security
- Collaborating with design team to create powerful and intuitive front end interface for the Crcl App

HERE Maps, Software Engineering Intern, Chicago, IL (Summer 2016)

- Worked as a full stack engineer developing two applications using AngularJS, Java, and Groovy. These applications doubled the efficiency of the map ingestion process in two separate areas
- Developed reusable AngularJS modules using Bower and Grunt, and combined these modules with others to create rich, front-end web applications
- Worked in an agile development team, creating new tools aligned with the company's overall objectives
- Designed and implemented a full-stack workflow to efficiently process data gathered by HERE True Cars
- Developed a thorough understanding of the process of creating a digital mapping platform

GE Healthcare, Milwaukee, WI (Summer 2015)

- Worked in a small development team, using Ruby on Rails web framework and Twitter API, creating a web interface for use at conferences to display questions and comments
- Built a program in Python to reduce the size of long URLs using the GE Short Link API, thus increasing my understanding of computer networking and API usage
- Led a team of 12 on the Internet Explorer 8 Browser Remediation project, directing the formal testing and validation of 15 applications for Internet Explorer 11
- Gained knowledge of the development of larger software systems through projects, learning sessions, and discussions with GE colleagues

LEADERSHIP: Hall Presidents Council Executive Board, Notre Dame, IN (March 2016-Present)

- Oversee 31 Hall Presidents, evaluating the work they are doing for their respective dorms, providing guidance and support for their terms in office

Fisher Hall President, Notre Dame, IN (April 2015-April 2016)

- Organized and led monthly academic, social, service oriented, liturgical, multicultural, and athletic events for the 180 residents of Fisher Hall and other students at Notre Dame
- Directed dorm government by appointing commissioners and managing dorm budget

PROJECTS: For more detailed information on my projects, please visit my website: coryjbara.com

South Bend Map – Used graph traversal to create driving directions around South Bend, IN (C++)

Compiler – Constructed a full compiler for a C-like language, including scanning, parsing, type checking and code generation (C)

IrishTrade – Created a web-based platform for students to buy and sell goods (PHP, Oracle)

WhereYouAt – Built an iOS app where users can see what their friends are doing (Swift, Firebase)

ND Room Picks – Created a web app for students to choose their on-campus rooms (PHP, MySQL)

PacMan – Programmed the arcade game using the original algorithm for ghost movement (C)

Super Mario Bros – Built an object-oriented version of the classic Nintendo game (C++)

Ellie's Deli App – Creating a cross-platform online-ordering app for Ellie's Deli (AngularJS, Swift)

CoryJbara.com – Continuously designing and updating my website using AngularJS