

Erick Rodrigo Cárdenas Casas

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EDUCATION

The University of Texas at Austin | Austin, TX
Bachelor of Science in Computer Science with Honors

May 2016
GPA: 3.77

EXPERIENCE

Software Engineering Resident – Google | Mountain View, CA July 2016 – Present

- Residency program designed to hone technical skills and provide programming experience on Google Engineering teams

Software Engineering Intern – IBM | Austin, TX January 2016 – May 2016

- Collaborated with the SRE team to support IBM's Bluemix VM service, a public cloud powered by OpenStack
- Wrote Python scripts to monitor IBM's OpenStack Public Cloud using Sensu, an open-source monitoring framework
- Documented and updated runbook with triaging issues related to OpenStack
- Worked 20 hours per week while attending school full time

QCT Software Engineering Intern – Qualcomm Inc. | San Diego, CA May 2015 – August 2015

- Improved and documented a post-processing Java analyzer for Multi-SIM features
- Debugged and enhanced TD-SCDMA Integration web application for various issues using JavaScript and PHP
- Wrote Python scripts to optimize memory footprint and performance of TD-SCDMA code

Device Content Engineering Intern – Alcatel-Lucent | Austin, TX May 2014 – November 2014

- Executed device/network interoperability testing through data logging and analysis of TR-069, HTTP(s) and TCP/IP
- Identified root causes of device/network issues using Wireshark and provided technical reports for future solutions
- Supported a web application that facilitates database management of fixed devices using Java, JavaScript and SQL/Oracle

PROJECTS

Automatic Labor Assignment | <https://github.com/ercardenas/Automatic-Labor-Assignment> Summer 2015

- Developed a Python script to automate the member/labor assignment in Halstead College House. Reduced the time to manually assign member/labor from six hours to one hour (83%)
- Used a personal modified version of Ford-Fulkerson algorithm to find the member/labor assignment

Six Degrees of Kevin Bacon November 2013

- Implemented a Perl script that reads and parses two IMDB database files
- Used BFS to find the Bacon Number and associated path of any actor

SKILLS

Technical:

- Proficient in Java, C/C++ and Python
- Familiar with JavaScript, SQL, PHP, HTML/CSS, x86 Assembly, Haskell, TR-069, HTTP(s), TCP/IP, Android Mobile Development, Wireshark, GDB and GitHub

Relevant Courses: Technology Marketing & Advertising, Computer Networks, Software Design, Android Development, Software Engineering, Info Retrieval and Web Search, Embedded System Software Development, Mathematical Statistics, Algorithms, Programming Languages, Object-Oriented Programming, Parallel Computing, Operating Systems, Computer Security, Database Management, Computer Architecture, Data Structures, Linear Algebra, Probability, Scientific Computation in Numerical Analysis, Differential Equations

Foreign Languages: Spanish (native) and English (bilingual proficiency)

ACTIVITIES & LEADERSHIP

Technology Management Officer at College Houses | Austin, TX June 2013 – May 2015

- Provided technology support for 80 users by troubleshooting and resolving software, hardware and connectivity issues
- Managed a \$1500 hardware/software budget

HONORS & AWARDS

Designated as College Scholar at UT Austin 2014 – 15, 2015 – 16

- Top 20 percent of my class in College of Natural Sciences