

# Harrison Donald Engel

## Resume

## Professional Experience

### GOOGLE

MAY - PRESENT

Software Engineering Intern, Living Room Products

- Designed and implemented a plugin which allows Cast business partners to verify their devices through a web portal.
- Impact: Improved partner experience and made the verification process scalable.
- Developed a vocal query based test framework for Google Home and other assistant devices.
- Impact: Increased assistant reliability by enabling the creation of multi-query tests.

### FIDELITY INVESTMENTS

JUNE - DECEMBER 2015

Software Engineering Intern

- Developed functionality which allows production installs to be validated outside the defined hours of operation.
- Impact: Reduced risk of customers encountering new production bugs after installs.
- Refactored a major customer-facing chat application, increasing the application's internal compliance rating from 71% to 91%.
- Won the FIDELITY Intern Summit competition for research on a Blockchain based stock exchange, which was then presented to the CTO.

### THUMBTECHS

AUG 2014 - JUNE 2015

Intern, Website and Salesforce Development

- Developed an app that accurately tracked client onsite service hours.
- Impact: Allowed the company to switch to a new billing plan.
- Implemented an automatic re-order system in Salesforce APEX.
- Impact: Eliminated the manual re-order process and replaced it with an automatic and scalable one.

### THE WEB SHOWROOM

SUMMER 2014

Intern, Sydney Australia

- Created web presence reports of potential clients which were used by the sales team in pitches.
- Impact: Resulted in acquiring dozens of new clients.
- Selected from over 5000 IES Abroad students to speak at a conference in New Orleans about interning abroad.

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## Education

**Texas Christian University** 2012 - PRESENT

*Bachelor of Science*

COMPUTER SCIENCE MAJOR

BUSINESS AND CHEMISTRY MINOR

OVERALL GPA: 3.77 MAJOR GPA: 3.97

## Extracurricular Involvement

Vice President of TCU's Computer Science Society

Upsilon Pi Epsilon Honors Society Officer

Computer Science Tutor

TA and Grader for Computer Science Courses

Global Medical Training in the Dominican Republic

Medical and Orphanage work in Haiti

Rural Construction in Mexico

## Programming Language Experience

|             |  |
|-------------|--|
| Proficient  | JAVA, PYTHON                           |
| Experienced | C/C++, HTML, CSS,<br>MYSQL, SOQL, APEX |
| Hobby       | HASKELL, OCAML                         |

## Technology Experience

|                 |                             |
|-----------------|-----------------------------|
| OS:             | Linux, OS X                 |
| Source Control: | Git                         |
| Testing:        | Python Unittest, Java JUnit |
| MVC:            | Python Django, Java Spring  |