

# Harrison Donald Engel

## Resume

### Professional Experience

#### GOOGLE

MAY - PRESENT

Software Engineering Intern

- Designed and developed a Python plugin that integrates the Cast Ready Test suite with Android Partner Front End web portal.
- Achieved > 90% unittest coverage for the plugin.
- Developed the Perico query-driven test framework, which allows non-engineering personnel to easily specify tests for Google Home.

#### FIDELITY INVESTMENTS

JUNE - DECEMBER 2015

Software Engineering Intern

- Developed, tested, and deployed functionality that allows teams to bypass hours of operation and validate production installs, saving hundreds of developer hours.
- Refactored the main application with a focus on maintainability and testability, increasing the application's internal compliance rating from 71% to 91%
- Won the FIDELITY Intern Summit competition for research and a presentation on a Blockchain based stock exchange.

#### THUMBTECHS

AUG 2014 - JUNE 2015

Intern, Website and Salesforce Development

- Refactored legacy code by implementing Singleton, Command, and Method Template patterns which resulted in a reduction in legacy bugs.
- Designed and developed functionality in Salesforce APEX that accurately tracked client service hours and allowed the company to switch to a new form of billing with very limited overhead costs.
- Developed HTML, CSS, and Javascript code for a new responsive website currently online.

#### THE WEB SHOWROOM

SUMMER 2014

Intern, Sydney Australia

- Created reports used by the sales team in pitches, which resulted in acquiring multiple new clients.
- Selected from over 5000 IES Abroad students to speak at a conference in New Orleans about interning abroad.

🏠 3601 South Drive, Fort Worth, Texas 76109  
📞 +1 402 960 3620  
✉️ [hengel1993@gmail.com](mailto:hengel1993@gmail.com)

### 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, 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