

# Jeremy Hurst

## STATEMENT OF PURPOSE

Looking for Software Engineering positions in the San Jose area. I'm most proficient in Ruby, Python, and Java, but have no trouble picking up new languages.

## WORK EXPERIENCE

JULY 2016 – PRESENT

### *Software Development Engineer in Test II*

Comcast Interactive Media, Philadelphia, PA  
Xfinity Home (Full Time Employee)

- Contributed to developing a complete overhaul of Xhome backend architecture

- Managed iOS Automated testing

Skills used: **Java, IntelliJ, JUnit, Python, locustio**

DECEMBER 2014 – JULY 2016

### *Software Engineer*

Comcast Interactive Media, Philadelphia, PA  
Xfinity Home (Contractor for Harvey Nash)

- Developed a tool for monitoring the health of servers used by Xfinity Home applications.

- Developed an http proxy tool which selectively rewrote packets to simulate test scenarios that are difficult to reproduce.

- Developed an interactive terminal for accessing the backend API to make Xhome application development smoother.

Skills gained: **Ruby Metaprogramming, ERB, Highcharts, Net::HTTP, crontab**

OCTOBER 2013 – DECEMBER 2014

### *Software Development Engineer in Test*

Comcast Interactive Media, Philadelphia, PA  
Xfinity Home iOS (Contractor for Harvey Nash)

- Assessed risk of Xhome iOS releases. Managed Xhome iOS automated testing

- Added automation hooks within the iOS application and fixed defects

Skills gained: **Ruby, Cucumber, Charles, Wireshark, Jira, Xcode, ObjectiveC**

JULY 2012 – JULY 2013

### *Software Developer*

Solfo, Burbank, CA  
yellowbot.com

- Wrote and debugged web crawlers written mostly in Perl to scrape business data from websites.

Skills gained: **git, Perl, regex, VIM, html, javascript**

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## EDUCATION

2008 – 2012

### **BA in Computer Science**

MAJOR IN COMPUTER SCIENCE,  
MINOR IN PHYSICS  
*Earlham College*

## SOFTWARE SKILLS

GOOD LEVEL Ruby, Python, Perl, C++, git,  
Bash, Jira, Xcode, VIM,  
Charles

INTERMEDIATE Java, IntelliJ, C#, Unity,  $\LaTeX$ ,  
Ruby Metaprogramming,  
NET::HTTP, Wireshark

BASIC LEVEL PostgreSQL, Lisp, Unity,  
Android, Swift

## RESEARCH

2011 - 2012

### **Cognitive and Sub-regular Complexity**

*Developed computational models to describe string sets of phonetic stress patterns in human languages*

FALL 2011

### **Controlling an Autonomous AR Drone using Hand Gestures**

*Computer Science major Senior Project*

## PERSONAL PROJECTS

2016 **Neil DeGrasse Tyson Twitter bot**

*Created an imitation bot which learns from Neil Tyson's tweets, generates its own, and posts them on its twitter*

2015 **Skype Chat bot**

*Created an interactive custom machine-learning chat bot to impersonate a friend*

2014 **"Don't Die" Video Game**

*Paired with a designer friend to complete a video game using Unity and C#*