

# ERIK COX

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[HTTP://ECOX.ROCKS/ABOUT/](http://ecox.rocks/about/)

## EMPLOYMENT

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**Full-time Software  
Engineering student -**  
graduated June 2016

**June 2014 - June 2016**

**Technical Lead**  
**GetBetz**  
(Real Money Gaming Platform)

**Oct 2014 - March 2015**

- Architected the product back-end in the AWS environment
- Created a proprietary Android app store in PHP (Magento) to house real money gaming apps from partners
- Developed and distributed custom advertising for partners within our app store to drive partner traffic and downloads
- Co-designed initial product specs and metrics in partnership with CEO
- Led technical integrations with over 30 partner apps in our store
- Provided the creative, targeting, and optimization for Partner apps in our app store. Generated 109 downloads during a one month trial; leading to 63 in-app purchases in partner apps at an acquisition cost of \$1.63 per user.

**Senior Manager, Field  
Operations**  
**Symphony Health Solutions**  
(Pharmaceutical Market Research)

**Jan 2013 - May 2014**

- Utilized SQL and Python for data cleaning, matching, and analytics
- Built and maintained ETL processes to clean, match, load, and summarize data
- Ideated and implemented custom waterfall matching script to improve individual user matches across multiple databases with non-standardized formats
- Automated business processes (developed feasibility tool, & emailer tool) using Python
- Analyzed data to draw insights from historical responding patterns
- Provided technical leadership and expertise to business stakeholders on project feasibility and risks
- Built a fielding strategy based on customer requirements, budget, and timeline
- Managed several projects at different stages concurrently

**Senior Manager,  
Production Engineering**  
**AlphaDetail**  
(Pharmaceutical Market Research)

**Feb 2008 - Jan 2013**

- Contributed to transitioning from proprietary Flash platform to Confirmit in line with company strategy - developed scripts to interface with the Confirmit API to replicate functionality and UI of former Flash platform
- Front end web designer and developer for custom market research studies using JavaScript, jQuery, HTML, & CSS
- Partnered with analysts and business stakeholders to gather, understand, and develop technical study requirements and plan projects from concept to completion

**Flash Engineer**  
**AlphaDetail**

**Aug 2005 - Feb 2008**

- ActionScript developer and Production Engineer
- Responsible for authoring and maintaining large market research web applications

<b>Software Product Design Professional</b>	<b>IBM</b>	<b>2002 - 2005</b>
<ul style="list-style-type: none"> <li>• Managed projects and the coordination of cross-software design activities</li> <li>• Project Manager for Lotus.com web accessibility compliance (Section 508) transition</li> <li>• Developed and tested XML and XSLT for the ibm.com/software sites</li> <li>• Formulated written guidelines and specifications for web development applications</li> </ul>		
<b>Web Master, Web Designer</b>	<b>CrossWorlds Software</b> (Business Integration Software)	<b>2000 - 2001</b>
<ul style="list-style-type: none"> <li>• Maintained the corporate marketing website's content</li> <li>• Designed marketing assets</li> <li>• Designed and maintained corporate intranet in Flash &amp; ActionScript</li> </ul>		

## EDUCATION

<b>Belmont, CA</b>	<b>Notre Dame de Namur University</b>	<b>2016</b>
<ul style="list-style-type: none"> <li>• <b>B.S. in Computer Science</b> with concentration in Software Engineering</li> <li>• Undergraduate Coursework: Operating Systems; Databases; Algorithms; Java; Python; Data Structures; Engineering Entrepreneurship; Networking; Quality Assurance; Discrete Mathematics;</li> </ul>		
<b>San Francisco, CA</b>	<b>City College of San Francisco</b>	<b>2015</b>
<ul style="list-style-type: none"> <li>• <b>Android Application Development certificate</b></li> </ul>		
<b>San Mateo, CA</b>	<b>College of San Mateo</b>	<b>2004</b>
<ul style="list-style-type: none"> <li>• <b>A.A. in Film History</b></li> </ul>		

## TECHNICAL EXPERIENCE

### Projects ([WWW.GITHUB.COM/ERIKCOX](http://WWW.GITHUB.COM/ERIKCOX))

- [CCSF Library request statistics](#) (2016). A Python tool for creating statistics and data visualization for City College of San Francisco's Library reference desk requests
- [Droid Docs](#) (2016). Android application for offline Android SDK documentation viewing
- [Cheat](#) (2014). Ported the interactive command-line cheatsheet tool *Cheat* from Python 2 to Python 3

### Languages and Technologies

- Java; Android Development; Python; OOP; SQL; JavaScript; HTML; CSS 3; PHP; ETL; ActionScript; Linux;