

Philihp Busby

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San Francisco, California

Employment

Airbnb, *Software Engineer, Full-stack web and iOS*

06/2014 - Present

Help center article CMS, added A/B experiment support to content and versioned translations.

Founding member of Portland engineering team.

Modified internal customer support tool to work with cohosts. Started project to separate Lantern frontend from backend, to increase performance from 6-8 second to sub-second load times.

Transitioned to mobile/iOS. Worked on Government ID and Selfie identification requirements flow.

Wrote and calibrated 4 of the 26 questions used for interviews.

SAS Institute, *Sales Engineer, Software Developer, Technical Intern*

07/2003 - 04/2014

One of three sales engineers for entire US academic sales territory. 2012, hit 129% of sales target. 2013, hit 120% of sales target.

Created demo for SAS Visual Analytics using public NCES data and geocoded it on tiered levels.

Presented at 2013 Assoc. for Inst. Research, [SAS Global Forum 2012](#), [SESUG 2013](#).

Maintained SAS Global Forum registrant data warehouse.

Part of on-call rotation for entire company's invoicing and reporting data warehouse.

Helped write internal healthcare primary care signup website in Struts.

Supported advertising campaign OLAP system before native OLAP cubes were a thing.

Wrote a native HTTP/1.0 client in SAS/SCL because native SAS didn't support HTTP chunking on SOAP requests.

Wrote a monitoring website that tracked a realtime sync of data between sales and invoicing systems over IBM MQSeries.

Skills

Preferred Languages

Ruby, Java, Javascript, Swift, Processing

Frameworks and Libraries

Redux, React, Ruby on Rails, Play Framework, Handlebars, jQuery

Acronyms and Trigger words

SQL, OLAP, PGP, HTML, SAS, REST, HTTP, XML, XSLT, \LaTeX

Academics

North Carolina State University, *B.S.*

2002-2006

Computer Science,

Broke an all-time record in Assembly course for writing a program in as few instructions possible

Competed in regional ACM International Collegiate Programming Contest (ACM ICPC)

Hacks and Hobbies

Tarot, *Game AI for Kingdomino*

09/2017

Wrote a monte carlo tree search implementation to play Kingdomino, similar to Google's AlphaGo bot. Supports multiplayer, which is unique to any MCTS implementation I've seen.

Weblabora, *Asynchronous Boardgame Website*

2012

Implemented a boardgame called Ora et Labora for web using EclipseLink, Tomcat, Struts, and JPA, so I could play it with my friends while I was traveling.

LED Hula Hoop

2012

Built my sister-in-law an LED hula hoop. 3 meters LED strip, four LiPo batteries evenly distributed for balance, a mini Arduino, a charging circuit, and a Polypro tube. I put the plans up on my blog it's on the front page if you google diy led hula hoop:

Sailing

2014-2017

Beer Can races at South Beach, Berkeley, St. Francis.

LASER and Thistle races at Willamette Sailing Club