

# ANDREW DEAVER

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## EDUCATION

2018 Olin College of Engineering  
B.S. Electrical and Computer Engineering  
Classes: Modeling and Simulation of the Physical World, Design Nature, Introduction to Sensors, Instrumentation and Measurement, Software Design, Linearity, Mechanics, Products and Markets

## EMPLOYMENT

Aug 2015 to Current **Insper · Student Partner · São Paulo, Brazil**  
Helped to influence a new and innovative engineering curriculum by helping inform decisions about designing courses and activities  
Impacted student culture by planning events such as a hackathon and exposition  
Course assistant for user interface design and data science courses  
Tutored first year calculus students in one on one environment

Jun 2015 to Aug 2015 **Constant Contact · Quality Engineering Intern · Waltham, MA**  
Developed internal software to allow for greater communication about performance of products and issue tracking  
Wrote unit tests to ensure stability of software products and enable test driven development  
Automated testing and building of software and maintained the servers responsible for that automation

## ACTIVITIES

Jan 2015 to Current **Olin College Robotic Sailing · Electrical Subteam Co-Technical Coordinator**  
Olin Robotic sailing builds autonomous sail boats  
Current project is making the first autonomous sail boat to sail across the Atlantic Ocean  
Responsibilities include organizing schedules, developing circuit diagrams, and facilitating component testing  
Gained experience in box diagramming, circuit design, soldering, and managing engineering task

## PROJECTS

Kyzr Virtual "Torch Passing" game allowing users to pass torches associated with Android phones between each other  
Full stack implementation including Android app, website (thekyzrproject.com), and server  
Responsibilities included Android development, facilitating networking between Android app and server via HTTP, and handling server side tasks such as receiving and processing HTTP requests and adding to database  
Written using Java, Javascript, Python (using Flask web micro-framework), and MongoDB

Hashtag Gloves Worked on team that built gloves that connect to Twitter.  
Responsibilities included programming back end in Python  
Built for 2014 HackHolyoke Hackathon, placed 3rd out of roughly 50  
Featured in Today Money, Boston Magazine, BostInno, and other news sources

Chordly Individual personal project that combined passion for guitar and programming ability  
Designed Android application that helps guitar players write songs by displaying appropriate chords  
Gained experience in UI/UX design, database design and management, and Android SDK

Tracky Bird Interactive twist on the popular "Flappy Bird" game that required users to flap their arms to control the bird  
Created using Python's OpenCV and pygame modules  
Responsibilities included building the game using pygame and handling graphics and collisions

Transporter Project Game for 4th Graders designed for Design Nature class at Olin College  
Included mechanical hedgehog toy  
Gained experience in user experience design and interviewing product stakeholders

## SKILLS

PROGRAMMING	Java, Android, Python, Ruby, HTML/CSS, MySQL, MATLAB, Javascript, Junit, MongoDB
SOFTWARE	Android Studio, Eclipse, Adobe Photoshop, Adobe InDesign, JIRA, Git, Linux, Jenkins
MISCELLANEOUS	Scrum, Test Driven Development, Unit Testing
FOREIGN LANGUAGES	Spanish