

# Jake Tobin

software engineer

## Information

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## Education

Bachelor of Science in Computer Science with a concentration in Information Security

Kent State University - Class of 2015

## Projects and Activities

- CoinFlash:** (Obj-C, C++, OpenCV) iOS app that uses image recognition to count pocket change. Won best original idea.
- Spazacat:** (node.js, arduino, jquery) web cam + arduino + laser pointer = cat owners can play with their cats anywhere in the world. Won first place.
- Emergency Vehicle App:** (Obj-C, Raspberry Pi) iOS app that detects emergency vehicle sirens then lowers music on iOS devices.
- SpaceHugs:** (arduino, python, RESTFUL API) Pair of jackets, when one is hugged the other simulates a hug. For astronauts' families. Won people's choice.
- FitIT:** (React Native, React, Ruby-on-Rails API, Webpack) Super simple fitness app that tested simplistic data ingestion idea.
- Push-to-Party:** (arduino, spark photon, python flask) IoT party creation button. Won best internet-of-things.
- KentHackEnough iOS App:** (React Native, Express.js API) iOS app for hackathon attendees to receive event info and updates.
- Leadership:** Hacksu leader and organizer (Kent State student hacker group that attends and hosts hackathons)
- Publications:** *A Privacy-aware Platform for Sharing Personal Information on Wearable Devices*, EUSPN, Sept. 2016

## Experience

- Summit Racing Equipment**, Tallmadge Ohio  
1/2016 - Current  
Software developer working on public facing e-commerce websites and internal service oriented APIs. Practiced SOLID C# and Vb using MVC.net and WebAPI. Implemented npm and webpack build pipelines for external facing sites. Helped build enterprise grade real time pricing API that is used by both external and internal systems.
- Olsträd Engineering Corporation**, Kent Ohio  
5/2015 - Current  
Built internal web application from scratch with react front-end and rails API backend. Managed and upgraded servers and IT infrastructure. Worked with client companies to help provide technical solutions for automation project. Database maintenance and creation. Currently migrating rails API to phoenix (elixir) API for internal application.
- Progressive Casualty Insurance Company**, Cleveland Headquarters Mayfield Ohio  
5/2014 - 8/2014 (Summer Internship)  
Intern Application Developer. Built GUI for internal unit testing application with ASP.NET MVC4, Bootstrap, and Ace.js. Created agile iteration schedule and reports. Worked with TFS within development team.
- Kent State University**, School of Journalism and Mass Communication Kent Ohio  
1/2013 - 5/2015  
Lead Student Technician, Server Support, Web Developer. Managed ESXi and Windows Servers, delegated jobs to technicians, wrote AppleScript/Shell Script for JAMF, interacted and delivered solutions to faculty. Developed web sites in multiple languages for various business needs.
- Apple Inc.**, Legacy Village Ohio  
1/2011 - 2/2012  
Family Room Specialist, Genius Admin, Red Zone Specialist.

## Skills

### Languages/Framworks

Ruby (Ruby on Rails)  
Elixir (Phoenix)  
C# (MVC.NET, WebAPI)  
Javascript (React/Redux, JQuery, ES6)  
VB.net (MVC.NET)  
C++  
Java  
Obj-C (iOS)  
Python (Django, Flask)

### Databases

Microsoft SQL Server  
postgresql  
MySQL  
MariaDB  
redis

### DevOps

Git / SVN  
Vagrant  
Nginx  
HA Proxy  
vSphere (ESXi)  
AWS  
Ubuntu Server