

# P. WILLIAM HOZIER

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## EDUCATION

UNIVERSITY OF MASSACHUSETTS AMHERST; AMHERST, MA — B.S. CS, FALL 2016  
Undergraduate Major Concentration: Software Engineering  
Cumulative GPA — 3.4

### RELATED COURSE WORK

- Software Engineering: Synthesis and Development
- Artificial Intelligence
- Operating Systems
- Human Computer Interaction

### LANGUAGES & DEVELOPMENT TECHNOLOGIES

Python, Java, JavaScript, C, Node.js, Express.js, Objective-C, Heroku, OAuth 2.0, PostgreSQL, Scala, git, Perl

## SOFTWARE ENGINEERING EXPERIENCE

PRODUCT & API INTEGRATION INTERN, CATCHPOINT SYSTEMS; NY, NY — 2015 - PRESENT

- Participated in the design, development, and testing of features and products.
- Spearheaded a team-based project with Splunk Corporation with an ambitious completion date of five weeks.
- Integrated Splunk Enterprise platform with Catchpoint Systems. The application automated ingesting data and the creation of visualizations across the data's index — marrying the value of Catchpoint with that of Splunk.
- Developed Ad-block Detection as a JavaScript extension to the product which analyzed the impact of an ad-blocker on revenue or site load time.
- Designed the Perl Script for Test API as an integration solution and proof of concept. The solution was aimed at showing the client how Perl could authenticate against the API.
- Optimized how our chrome extension, Sonar, performed computations with Google Chrome's native webRequest and debugger APIs.

## DEVELOPED PROJECTS

TELEPHONE, AN OBJECTIVE-C IOS APPLICATION — 2015

Described as a play off of the childhood game 'Telephone', this social iOS application is written purely in Objective-C and focuses on locally connecting people through crowd-sourced messages.

RESTFUL\_API, A PYTHON WEB-SERVICE — 2015

A RESTful API communicating with PostgreSQL, written to support the back-end functionality of the iOS Telephone social application and deployed to Heroku.

MOLECULAR PLAYGROUND PORTAL, A NODE.JS/EXPRESS.JS WEB APPLICATION — 2015

Aimed at stream-lining how administrators manage, update and interact with the molecular playground through centralization.

TIC-TAC-TOE, AN ACADEMIC PROJECT IN SCALA — 2014

Implements methods of a class called 'Game' to determine which player will win. Based on the minimax algorithm and written in Scala.

## COLLABORATIVE EXPERIENCE

NATIONAL SOCIETY OF BLACK ENGINEERS, UMASSAMHERST; AMHERST, MA — 2015

Host CS related tech talks geared towards all members of NSBE in collaboration with CS peers.

BICYCLE MECHANIC, UMASSAMHERST BIKE COOP; AMHERST, MA — 2015

- Assess, repair and build bicycles for the UMassAmherst community.
- Detail current levels of the Bike Coop's supplies as Inventory Committee member.

WRITING FELLOW, QUINSIGAMOND COM. COLLEGE; WORCESTER, MA — 2013 - 2014

- Instructed History students on the fundamental aspects of the writing process as a writing fellow.
- Engaged students to develop beautifully thought-out, structured ideas through words written or spoken as an English and Writing peer tutor.



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