

# RYAN O'HARA

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## EXPERIENCE

NOVEMBER 2014 – PRESENT

**SENIOR SOFTWARE ENGINEER**, COMCAST

- Replaced 8 FTE with linear video view heatmap application of stream outages across areas
- Automated archiving and monitoring of audio and video quality data for FCC compliance
- Lead a big data effort to search and graph billions of time series data with Elasticsearch
- Contributed to enterprise Equilibrium and XOC Dashboard Springboot and Angular applications
- Received an "Exceptional" job rating during the Pandemic (2020)

JUNE 2005 – NOVEMBER 2014

**ANALYST/PROGRAMMER**, CHILDREN'S HOSPITAL OF PHILADELPHIA

- Developed a top-ranked, award-winning genome browser iPad application
- Created a genome sequence analysis platform built with Django and Bootstrap
- Built a shared decision making portal in jQuery for pediatric chronic illness like Asthma
- Lead development of immunization EHR application that increased HPV vaccinations by 15%
- Developed an open-source, Java-based web platform for analyzing genome variation

## EDUCATION

AUGUST 2002 – JUNE 2006

**BA COGNITIVE SCIENCE**, UNIVERSITY OF PENNSYLVANIA

- Concentrated on Computer Science, minored in Linguistics
- Wrestled on varsity team

## SKILLS

- |             |                 |              |           |
|-------------|-----------------|--------------|-----------|
| • Python    | • Elasticsearch | • HTML/CSS   | • Apache  |
| • PHP       | • Jira/Rally    | • Java       | • Grafana |
| • JQuery    | • Slack/Teams   | • JavaScript | • Angular |
| • Bootstrap | • Selenium      | • ExtJS      | • Gimp    |
| • Git       | • Jenkins       | • MySQL      | • Scrum   |
| • Unix      | • Eclipse       | • Emacs      | • Spring  |

## AWARDS

"Second Place Winner" in the 2019 Source Code Poetry challenge

Genome Wowser was recognized as a "Best Science App" in the February 2013 issue of Genetic Engineering & Biotechnology News (Vol. 33, No. 3)

## ACTIVITIES

Volunteered for town newspaper, self-employed as software contractor, and coached amateur wrestling