

Laurence Welch

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EDUCATION

ITHACA COLLEGE

B.A IN COMPUTER SCIENCE
Grad. May 2015 | Ithaca, NY

BARD HIGH SCHOOL EARLY COLLEGE

Grad. May 2013 | New York, NY

LINKS

Github:// [Lwelch45](#)
LinkedIn:// [lwelch45](#)
Personal:// [LaurenceWelch](#)
Twitter:// [@LaurenceW](#)

COURSEWORK

UNDERGRADUATE

Machine Learning
Information Retrieval
(Teaching Asst)

Econometrics
User Interface Design and Development
Algorithms
Unix Tools and Scripting
Programming Languages
Computer Organization and Systems
Macro Analysis
Money and Banking

SKILLS

PROGRAMMING

Over 5000 lines:
Java • C++ • Python
OCaml • Python • \LaTeX
Over 1000 lines:
Swift • C • MySQL • PHP
Familiar:
Dart • iOS • Ruby

TECHNOLOGY

EchoNest • Last.fm • Visual Studio
Matlab • IntelliJ • Eclipse • Torch
Node.js • Play Framework • Flask

EXPERIENCE

PLACEIQ | DATA ENGINEER

May 2015 – Current | New York, NY

- Developing Mapreduce, Pig, and Spark applications for ETL pipelines, audience generation and adhoc analysis.
- Integrated third party data into existing data processing pipelines and platforms.
- Served as primary technical resource on project to migrate existing workflows to newly developed internal data processing platform
- Served as primary technical resource on PIQ-id project, a large device-to-device graph used for user level conflation.

FILMUP | CTO

May 2015 – Current | New York, NY

- Lead the successful development of our initial web content platform.
- Managing team of 1 backend engineer, 2 frontend engineers and 2 graphic designers.
- Responsible for facilitating the execution strategic and tactical goals as they pertain to the development of the our web platform.

PUSH INTERACTIVE | FOUNDING SOFTWARE ENGINEER

Sept 2014 – May 2015 | Ithaca, NY

- Implemented listing search feature in Android application.
- Used D3 and Plotly.js to create of IBeacon management application for CSP Management.

CHANNEL G | TECHNICAL ADVISOR

April 2015 – Present | Mountain View, CA (Remote)

- Designing system to streamline approval for proposed media items and content sharing.
- Creating platform to showcase student films and connect student filmmakers with non profit organizations.

RESEARCH

JIMI-LAB | HEAD UNDERGRADUATE RESEARCHER

Jan 2014 – Present | Ithaca, NY

Working with **Prof Douglas Turnbull** and **Prof Thorsten Joachims** to create **Megs**, a service for local music discovery and a platform for ranked sequence generation and testing. Publication in progress.

PROJECTS

MEGS

Local Music Discovery

Megs is a local music discovery platform designed for use in the study of how users discover and share music. It is also used as a mechanism to test different playlist generation algorithms and test the effectiveness of different A/B testing methods. [Java, Python, Angular]

ANGLED

Unbiased News Curation

Angled originated from, and was created for, users who have become irritated with biased news reporting. The goal of Angled is to provide users with a holistic view of semantic and thematically related news articles based on the information they are already consuming. [Java, C++, JavaScript]