

# William Oursler

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## Education

**Massachusetts Institute of Technology** *2011 - 2015*

B.S. Electrical Engineering & Computer Science

## Experience

**Software Engineer** Google (Search), Mountain View, CA *Summer 2018 - Present*  
Back-end engineering work to bring evergreen hobby articles and social media posts to Google Discover.

**Software Engineer** Google (Flights), Cambridge, MA *Summer 2015 - Summer 2018*  
Worked full-stack to redesign and rewrite a system for editing airline business logic as part of Google's Enterprise Flights offering.

**Engineering Intern** Palantir Technologies, Palo Alto, CA *Summer 2014*  
Designed and implemented a VM to support development of plugins for data integration tools, cutting plugin developers' iteration times in half while maintaining ease of build and release for my team.

**Cyber-Auto Challenge** Battelle, Columbus, OH *Summer 2013*  
Worked in an integrated team of students, scientists, government personnel, and auto industry engineers in a practicum-based series of challenges oriented towards testing the cyber-security of CAN networks.

**Undergraduate Researcher** CSAIL, Cambridge, MA *Fall 2011 - Summer 2012*  
Implemented URDF support in Yobotics Simulation Construction Set (Java), learned various aspects of Control Design and Verification Theory.

**Volunteer Exhibit Interpreter** ScienceWorks Museum, Ashland, OR *Fall 2007 - Spring 2011*  
Recognized for outstanding service and leadership. Assisted visitors with correct and safe use of exhibits, ensured exhibits remained functional, and assisted instructors with demos, etc. during week-long camps. Recognized for outstanding service and leadership.

## Computer Skills

**C++** My current work on Google's Search stack is mostly in C++. C++ was my first language.

**Java** My work at Google Flights was primarily in Java; I have 3 years of industry experience in addition to prior experience during my time at CSAIL.

**Python** Numerous personal projects, available for review on request etc. Familiar with tkinter, numpy, and matplotlib among other modules. Contact for samples.

**Git / Mercurial / Perforce** I have used and am familiar with a variety of version control systems.

**L<sup>A</sup>T<sub>E</sub>X** This resume is typeset in L<sup>A</sup>T<sub>E</sub>X.

**Linux / Bash Scripting** Ubuntu Linux is my primary operating system at work and home.

**Many Others** Vagrant, Bazel, Protobuffers, Thrift, the occasional dabbling in Haskell/Prolog/FRACTRAN.