Blaine Lewis

blaine.lewis.1@outlook.com
github.com/blainelewis1
linkedin

Java   C#   Python   PHP   C/C++   Matlab   Javascript (jQuery, Node)   CSS   HTML   SQL (Oracle, MySQL)   Git   SVN   Eclipse   Visual Studio

Experience

Student Contributor   September – December 2015
Eclipse/Mylyn – Undergraduate Capstone Open Source Project

- Using Java to further integrate code reviews with the Mylyn Eclipse plugin.

Program Manager Intern   May – August 2015
Bing Ads, Microsoft

- Reimagined piloting Bing Ads features across an entire engineering partner group and operations enabling more pilots run at scale with increased user engagement.
- Discovered dependencies across Bing Ads teams to switch from an in-house version control system to Git.
- Designed an experience enabling more data driven visualizations with capabilities to export to Excel.

MultiSSH   January – April 2015
Research – University of Alberta

- Researched several techniques for increasing throughput across a WAN over TCP in the presence of packet loss.
- Used Python and the UNIX file system to coordinate any number of SSH streams over a network.
- Obtained a 200% increase in throughput over a simulated environment with 95% confidence.

Program Manager Intern   May – August 2014
Bing Ads, Microsoft

- Delivered a feedback mechanism enabling efficient collection and triage for thousands of user feedback items.
- Designed a new experience for the product's grid controls significantly increasing over 400 users' productivity.
- Developed relationships across 6 teams in order to push development of features quickly.

Web Developer   February and August 2014
kelseyprudhomme.com

- Voluntarily developed and deployed kelseyprudhomme.com from specification.
- Leveraged PHP's natural templating in an MVC architecture and wrote a basic CMS with jQuery on the front end.

Student Software Developer   May – August 2013
Stantec

- Constructed a SharePoint media hub to store and serve video to any device for over 10,000 employees.
- Improved C#/.NET invoicing software by implementing import and export with Excel saving over an hour per invoice.

Computer Programmer   July – August 2010 & 2011
Alberta Ingenuity Centre for Machine Learning

- Wrote an OpenStreetMaps implementation in Java for visualization of geographically tagged data. 2011
- Extended OpenStreetMaps by developing prefetching and caching algorithms for an excellent viewing experience. 2011
- Implemented advanced graph theory algorithms to identify and visualize shortest paths in a network of people. 2010
- Extended existing selection and movement tools using computational geometry and linear algebra. 2010

Education

University of Alberta   September 2012 – April 2016
BSc with specialization in Computer Sciences

Pending   September 2016 – April 2018
Thesis based MSc researching systems