Holly A. French

CONTACT
INFORMATION

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PROFESSIONAL
EXPERIENCE

Piazza Technologies, Inc., Palo Alto, California

Software Engineer — June 2013 – Present

- Designed and developed Piazza's real-time in-class polls feature launched on iOS, Android, and our web client.
  - Implemented the frontend and backend for polls on the web.
  - Did hands-on customer development to drive the initial spec and iterate on feedback by meeting with professors and students.
- Implemented site-wide performance monitoring by adding front-end diagnostics using boomerang.js and logging backend runtime of all Piazza API calls.
- Implemented the backend to support push notifications for Piazza's Android app.

Prezi, Budapest, Hungary

Software Engineer Intern — May 2012 – May 2013

- Created an internal User Management tool implemented in Django to sync and manage the accounts of Prezi employees.
  - Used to create/manage/terminate employee/team passwords and cloud identities to Prezi's internal GitHub, HipChat, GoodData, email, and Prezi accounts, and sync ssh keys across servers.
- Worked with Chef to maintain Prezi's server configurations.

ADDITIONAL
EXPERIENCE

Carleton College, Northfield, Minnesota

Research Associate — June 2011 – August 2011

- Worked with two fellow students under the guidance of Professor Amy Csizmar Dalal.
- Researched self-healing networks and methods to predict video stream quality in a browser in real time.
- Results of research appeared in the International Performance Computing and Communications Conference in Orlando, Florida (November 17-19, 2011):
  - Holly French, Jie Lin, Tung Phan, and Amy Csizmar Dalal. "Real Time Video QoE Analysis of RTMP Streams." IPCCC (2011).

Teaching Assistant — January 2012 – June 2013

- Graded Carleton College's Introductory Computer Science course, CS 111.
- Assisted beginning CS students in debugging and completing assignemnts.
- Led study sessions and one-on-one tutoring sessions for students.

EDUCATION

Carleton College, Northfield, Minnesota — September 2009 – June 2013

Bachelor of Arts in Computer Science, Cum Laude

- Relevant Coursework: Algorithms, Advanced Algorithms, Artificial Intelligence, Coding Theory & Cryptography, Computer Organization & Architecture, Computability & Complexity, Database Systems, Data Structures, Evolutionary Computation, Operating Systems, Programming Languages, Statistics.

Aquincum Institute of Technology, Budapest, Hungary — September 2011 – December 2011

- Relevant Coursework: Computer Graphics, Graph Theory, IT Entrepreneurship, Structure & Dynamics of Complex Networks.

SKILLS

Java, Python, Bash, C, Chef, Django, Git, HTML/CSS, JavaScript, JQuery, Mercurial, MongoDB, Ruby, Scheme, Sphinx, SQL.