

Gordon Towne

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Professional Experience

TrainingPeaks Boulder, CO

Developer

July 2013 - Present

- Ported legacy web service functionality to new public and private REST APIs, currently serving over seven million daily requests
- Led technical effort to integrate with third party payment provider and migrate over 15 thousand existing recurring user subscriptions to new platform
- Cut average response time of our most expensive API transaction in half by overhauling caching architecture using Redis and ProtoBuf
- Architected solution for data warehousing and clickstream-level instrumentation of HTML5 and mobile applications using MixPanel and Redshift
- Worked with business stakeholders to define, surface and visualize KPIs in an interactive web dashboard
- Increased site reliability by participating in on-call rotations, improving production monitoring and coordinating weekly releases as part of DevOps team
- Contributed to culture of knowledge sharing by giving talks to engineering teams on Git workflows and Hypermedia APIs
 - C#/NET
 - WebAPI
 - MVC
 - SQL Server
 - Amazon Web Services
 - Redis
 - Javascript/NodeJS
 - Docker
 - Git(Hub)
 - NewRelic
 - TeamCity, Jenkins CI
 - RabbitMQ

Raytheon Aurora, CO

Software Engineer II

June 2012 - July 2013

- Did full stack development for a single-page web application using KnockoutJS, SpringMVC and Hibernate
- Advocated for program adoption of unit testing and implemented common Ant framework to streamline build-and-test workflow with the immediate result of unit tests being written for five new features
- Did maintenance work on a legacy C++ codebase with over 2 million lines of code
 - Java
 - Javascript
 - Unix (Redhat, Solaris)
 - KnockoutJS
 - C++
 - Hibernate
 - Oracle PL/SQL
 - Ant
 - iBatis

Boston University Image and Video Computing Group Boston, MA

Research Assistant

May 2010 - May 2012

- Authored 2012 International Conference on Pattern Recognition (ICPR) workshop paper, "Error Analysis and Design Considerations for Stereo Vision Systems Used to Analyze Animal Behavior"
- Implemented algorithm in C++ to correct for non-uniformity distortion in video from thermal infrared cameras
 - Matlab
 - OpenCV
 - C++

Education

Boston University Boston, MA

Master of Arts, Computer Science

May 2012

Bachelor of Arts, Computer Science

May 2012

GPA: 3.67/4

Coursework Includes Computer Networks, Distributed Systems, Data Mining, Computer Vision, Computer Graphics