Haris Bin Zahid

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Projects

Blogging Engine
- Created a blogging and wiki application to learn backend web engineering
- Integrated login system, allowing logged in users to post, edit and delete
- Implemented scaling and caching to optimize database performance
- Built with App Engine, Python, webapp2, Google Datastore, Jinja2, Bootstrap

Invoice Generation App
- Wrote a Python script to automate invoicing procedures of an organization, significantly improving record management and generation time
- App dynamically modifies a markup template with input parameters and stores file to an external file server via API calls
- Transactions are logged in Postgres, allowing easy tracking of past sales

E-learning website
- Full stack developer of a fully responsive e-learning website (in progress)
- Allows users to signup for virtual classes held through WebEx
- Currently working on integration of payment services
- Using Heroku Toolbelt, Flask, Orchestrate DBaaS for backend development

Independent Coursework

Web Application Engineering (Udacity)   *December 2015*
Coursework: Form validation · User Accounts · Caching · Web APIs · Cookies · Scaling issues · Password hashing · HTTP Requests · Databases

Introduction to Algorithms (MIT OpenCourseWare)   *Mar 2016 - present*
Coursework: Searching · Sorting · Complexity analysis · Heaps · Binary Search Trees · AVL Trees · Hashing

Areas of Expertise

Proficient

Python

HTML

Git

Google App Engine

Heroku

webapp2

Jinja2

Intermediate

Flask

PostgreSQL

Google Cloud Datastore

CSS

Bootstrap

jQuery

Familiar

Javascript

C++

Awards and Honours

Contestant at International Math Olympiad, ranked among top 6 out of 1000 countrywide competitors	*2015*
Silver Medal in International Kangaroo Math Contest, 5th place out of 1440	*2015*
1st place in A Level Computer Science exam across region (150 high schools)	*2015*
UW Faculty of Mathematics Scholarship for outstanding Euclid performance	*2016*

Education

Candidate for **Bachelor of Computer Science,** University of Waterloo, **3.95 GPA**	*Jan 2016 - present*

Activities and Volunteering experience

Co-organizer of Kitchener-Waterloo HackerNest Tech Socials	*April 2016 - present*
Active member of WatPy, a Meetup for Python enthusiasts	*April 2016 - present*
Mentored an 11th grade student preparing for Math Olympiads	*Nov - Dec 2015*
Assisted orphaned children at SOS Children's Villages in their academic coursework	*Summer 2014*