

# Haris Bin Zahid

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hbzahid.com

github.com/hbzahid

## Areas of Expertise

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Languages: Highly proficient in **Python**, **Javascript** and **SQL**, well versed in **C**, **Java** and **Bash**

Frameworks: Flask, Node.js, webapp2, Jinja2, Bootstrap, jQuery, AngularJS

Technologies: Salesforce, Heroku, Google Cloud Platform, Git, MongoDB

## Work Experience

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**BlackBerry**, *Business Application Systems, Software Development Intern*

Sep - Dec 2016

- Joined in the middle of a project that involved building software for major business processes on Salesforce
- Created UI components for device lookup and customer support web forms using **Lightning** and **Aura JS**
- Programmed backend logic to drive Return Merchandize Authorization process using **Apex**, **Node.js** & **SQL**
- Re-engineered BlackBerry Knowledge Base to improve code maintainability and search performance
- Participated in daily scrum meetings, created documentation pages and fixed bugs identified through QA
- Attained an **outstanding** evaluation for being able to drive sub-projects from start to production

**University of Waterloo**

Jan 2017 - present

- *Undergraduate Teaching Assistant, Calculus II*

## Projects

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**Invoice Generation App** 

- Wrote a Python web app to automate invoicing procedures of an organization, significantly reduced processing time from **5+ minutes** to **0.5 seconds**
- App dynamically modifies a markup template with input parameters and stores file to an external file server via API calls

**Blogging Engine** 

- Created a blogging and wiki application to learn backend web engineering
- Integrated login system and implemented scaling and caching to optimize database performance
- Built with App Engine, Python, webapp2, Google Datastore, Jinja2, Bootstrap

## Independent Coursework

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**Web Application Engineering (Udacity)**

Coursework: Form validation • User Accounts • Hashing • Cookies • Scaling issues • Caching • Databases

**Introduction to Algorithms (MIT OpenCourseWare)**

Coursework: Searching • Sorting • Complexity analysis • Heaps • BST • AVL Trees • Hashing • Graphs

## Education

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Candidate for Bachelor of Computer Science, University of Waterloo, **93.4%** average

Jan 2016 - Aug 2020

## Awards and Honours

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Contestant at **International Math Olympiad**, ranked among top 6/1000 countrywide competitors 2015

UW Faculty of Mathematics Scholarship for outstanding Euclid performance 2016

University of Waterloo Dean's Honour List (all terms) Jan 2016 - present