Jinny Byun

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EDUCATION

University of British Columbia   Graduating May 2019
- Bachelor of Science in Computer Science

WORK EXPERIENCE

Software Engineering Intern, MongoDB   May 2018 – Aug 2018
- Implemented multi-document ACID transactions diagnostics on the Distributed Systems - Replication team for the MongoDB 4.2 release and backported the feature to support MongoDB 4.0.
- Improved MongoDB server logging by implementing transactions metrics tracking to help users debug issues and measure the performance of their transactions.
- C++, JavaScript

Software Engineering Intern, Gridspace   Jun 2017 – Aug 2017
- Implemented automatic disconnected call detection using semantic-aware query language on live transcripts, and a debugger to view detailed API error logs.
- Designed a system to transcribe webcasts given a URL using browser automation to populate the webcast's registration form, and then streaming the audio to Gridspace.
- Python, Django, JavaScript, Node.js, Selenium, Celery, OpenCV, React

Software Engineering Intern, Evident Point Software   Jul 2016 – Dec 2016
- Wrote features for PDF processing software, including a semi-automated expression editor for creating custom decision tree rules to automatically categorize PDF text elements.
- Implemented a conversion tool to allow users to convert any zipped HTML document to EPUB format and view it on an e-reader.
- C#, C++, Java, Ruby, JavaScript

PROGRAMMING PROJECTS

Mongo Docs   Jul 2018
- An implementation of MongoDB that stores JSON documents as a Google Docs file.
- Supports inserting, finding, updating, and deleting batch documents using the same semantics as the MongoDB query language.
- JavaScript, Node.js

Ivan Planetary File System   Mar 2018 – Apr 2018
- A distributed, content-addressable file system with end-to-end encryption, name resolution, and publish-subscribe messaging, similar to IPFS (InterPlanetary File System).
- Go, Polymer

EyeDentify   Oct 2017
- A text magnifying application that detects and enlarges text objects in real time to increase readability for users with low vision.
- Uses Microsoft's Computer Vision API to get the locations and bounding boxes of text objects.
- JavaScript, WebRTC

LEADERSHIP

President, UBC Computer Science Student Society   May 2017 – Apr 2018
- Organized and ran a club consisting of 7 executives, 40 officers, and almost 2000 general members.
- Liaised between the Computer Science department and student body as club representative.

VP Administration, UBC Computer Science Student Society   May 2015 – Apr 2017
- Organized meetings for the executive team, recorded meeting minutes, and ran club events.