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## Education

University of Washington, Seattle

December 2017 (Expected)

BS, Computer Science | GPA: 3.85

**Coursework:** Data Structures with Parallelism, Systems and Networks programming, Artificial Intelligence, Programming Languages, Hardware/Software interface & Software design and implementation.

## Proficiencies & Technologies:

**Languages:** Java, JavaScript, NodeJS, Python, Bash, HTML, CSS, Ruby, C, C++ & SQL.

**Frameworks:** Git, Django, ExpressJS, AngularJS, Mocha, Consul & Serverless.

**Databases:** MongoDB, Postgres & ElasticSearch.

**Amazon Web Services:** AWS EC2, AWS Lambda, Amazon API Gateway & Amazon Elastic Search Service.

## Experience

FTI Technologies | Software Engineer Intern

June 2016 – September 2016

- Developed RAWS: A command line tool to auto deploy a distributed system of Consul clusters using AWS services.
- Implemented Lambda functions. Reduced transaction time to query million objects from ElasticSearch by 20%.

Inebriate Research Assistant | Ubicomp Lab UW

May 2016 – Present

- Research to determine the alcohol concentration in a person's body using an android application and ML algorithms. Implemented various classifiers to analyze data from phones.
- Currently aiming to minimize the number of tests required to maximize the accuracy of alcohol detection.

BiliCam Research Assistant | Ubicomp Lab UW

January 2016 – May 2016

- Research to optimize ML algorithms that analyze a newborn baby for jaundice. Implemented regression algorithms to determine potential Bilirubin levels using baby's photos with a success of about 89%.
- Implemented the authentication and file transfer system for the research project.

CleverTap | Software Engineer Intern

June 2015 – September 2015

- Developed Validator: A plugin for IDEs to autocorrect, autofix and autoinsert code for smooth SDK integration.
- Developed migration code for Maxmind's GeolIP1 to GeolIP2 to make location tracking efficient.

## Projects & Extracurricular Activities

**Launch: (launch.startupuw.com)**

Web-App of all the startup resources and side projects in and around campus. Allows users to add projects, upvote them and build a network.

**Chess Bots using AI**

Implemented alpha-beta and Jamboree algorithms to make chess bots. Developed heuristics with success rate of 80% against a master level bot.

**PathFinder: GoogleMaps API**

Implemented an algorithm to find the shortest path between various locations on google maps. Takes into account traffic, time to travel and signals.

**Startup UW: (startupuw.com)**

Technology and Finance head of UW's largest entrepreneurship club providing assistance for startups. Organized a Startup Weekend for UW.

**Unsplash Daily Wallpaper**

Implemented a linux init script that queries for HD pictures from Unsplash and updates wallpaper daily. Designed the interface to select photo types and criteria.

**Dubhacks Hackathon**

Developed LyteUp, a social network to share emotions more personally with friends. Was responsible for backend in NodeJS.