# Michael Lee

Leemiwill@gmail.com | 971-506-7484 | GitHub: WillMichael | Portland, OR | LinkedIn: WillMichael1

## OBJECTIVE

Looking for a full-time position as a Software Engineer in App, Web, or other development opportunities.

## EDUCATION

**BS Computer Science** - Oregon State University, Corvallis, OR **Graduating April 2018**

**Academics**: **3.75/4.0 GPA**

**Honors**: Academic Achievement Award, OSU Honor Roll

## SKILLS

**Proficient:** Python, Swift, C++

**Familiar:** C, Flask, C#, Java, Linux, .NET Framework, JavaScript, MongoDB, SQL

**Tools, Utilities, and IDEs:** Vim, Git/Svn, Xcode, Visual Studios, SQL SMS, MongoVUE, Travis, Latex, HTML/CSS

## EXPERIENCE

**Undergraduate Research Developer (OSU Food Science and Technology, Corvallis, OR)** **September 2017 – Present**

- Developing an IOS application in Swift to assist small PNW food growers with new Food Recall laws. Will provide remote access to Recall forms, user authentication, and inventory management.
- Uses a REST API built with Flask to manage the backend data, and MongoDB for storage.

**Software Engineering Intern (Intel Security, Hillsboro, OR)** **March 2016 – September 2016**

- Full stack implementation of a web-based dashboard in C# for monitoring the efficiency of their Anti-Virus scanning system using asp.NET.
    - Aggregated system data into a charting API to provide a quick overview of performance and system health.
    - Implemented utilities to restart servers, execute remote programs, and to view log files for debugging.
- Automated the detection of failures in production and resolved them or alerted the relevant SWEs.
- Created an external web-service for customers to upload, scan, and view the results of their potentially malicious samples.

## PROJECTS AND CLASSWORK

**Senior Project / Capstone – C7Fit** **September 2016 – June 2017**

*People's Choice – OSU Undergraduate Engineering Expo 2017*

- Developed an iOS Application in Swift for Portland fitness gym in combination with eBay. Included account management, run tracking, fitness tracking, and shopping.
- Integrated iOS native frameworks with Google's Firebase to track and store user fitness data remotely.
- Used MapKit's location services to map and replay user's runs.

**Machine Learning and Data Mining (*GitHub: WillMichael Data-Mining*)** **Spring 2017**

- Implemented common machine learning algorithms in Python: Decision Trees, Naïve Bayes, Logistic Regression, Clustering.
- Implemented a Recurrent Neural Net (LSTM) using Keras for NLP, and tested our results on datasets from Kaggle.

**Operating Systems – Kernel Development (*GitHub: WillMichael Orrellnl/CS444*)** **Spring 2017**

- Implemented the C-LOOK I/O scheduler and Slab memory allocation using stock code in the Linux kernel, no-op and slob.c.
- Designed a shell clone in C that emulated commands of cd, exit, status, managed background processes and user I/O.

**Computer Security (*GitHub: WillMichael ComputerSecurity*)** **Fall 2017**

- Implemented a time based one-time pad in Python to match Google's Authenticator App.

**Translators – C minus compiler (*GitHub: WillMichael compilercminus*)** **Winter 2017**

- Designed a compiler in Java based on a set of limited grammars dubbed C minus.

## RELEVANT COURSES

- Machine Learning & Data Mining, Algorithms, Translators, Computer Architecture, Operating Systems