

# LUKE WEBER

Computer Scientist  
6+ Years Experience  
@LukeDotTec



**PHONE**  
(916) 799-4473



**LINKEDIN**  
LinkedIn.com/in/LukeDotTec



**EMAIL**  
LukeDotTec@Gmail.com



**GITHUB**  
GitHub.com/LukeDotTec

C/C++	LINUX	JAVA	C#	PYTHON	ANDROID
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## EDUCATION

### B.S. COMPUTER SCIENCE

August 2013 – May 2017

4x President's Honor Roll Student, Washington State University (3.68 GPA)

- Machine Learning
- Artificial Intelligence
- Operating Systems
- Software Engineering Principles II
- Senior Design II

## EXPERIENCE

### DEPARTMENT OF CIVIL & ENVIRONMENTAL ENGINEERING

May – August 2016

Android Application Developer, Washington State University

- Assembled AIRPACT-fire mobile app (in parallel to website) to run on 95% of all Android phones and tablets; facilitated alpha and beta testing.
- Developed local databases in XML and SQL, app-server communication stream, and implemented dynamic, responsive user interface.
- Repaired broken, pre-existing applications to accompany upgraded data.

### CENTRAL ACCESS CENTER

January – March 2013

Desktop Application Developer, Central Washington University

- Assisted learning-disabled students with reading 50+ textbooks in the form of Java-based desktop application.
- Converted text-to-speech with 0% trial error.
- Utilized PDF-to-text conversion to simplify textbook content by near 2/5.

### CHARLTON FARMS

June – July 2014

Agricultural Laborer, Ellensburg, WA

- Worked 80+ hours per week on a large-scale agricultural establishment.
- Drove heavy machinery for fluffing and baling timothy hay with less than a 2% daily rate of mistake.
- Performed 20-30 hours of various physically stressful tasks.

## PROJECTS

### MATHTRIP

December – January 2015

Lead Contributor, GitHub.com

- Built JavaScript-run web app using ProcessingJS visualization library and jQuery.
- Harmonized Newtonian physics with objects, including orbital mechanics, collision detection, propulsion, etc.
- Used factory and observer design patterns, as well as polymorphism and modularity in < 3,000 lines of code.

### MOUNT BAKER BROS

July – August 2012

Web Application Developer, Kittitas, WA

- Provided Mount Baker visitors with 98%+ accurate weather statistics using Google App Engine and Google Cloud.
- Stored and queried up to 5 measures of weather data with MySQL database.
- Fetches, parses, and saves XML documents from NOAA database with less than 1% data discrepancy.