

# TYLER JETTE

tylerjette@gmail.com

(801)664-8652

<https://github.com/tnjette>

<https://www.linkedin.com/in/tyler-jette-6163308b/>

EDUCATION	<b>Masters of Software Development</b>	<b>2020 - Present</b>
	<b>BS. Urban Planning</b>	2005 - 2012
	<b>BS. Environmental Science</b>	2005 - 2012
	University of Utah	

TECHNOLOGIES	<b>Languages</b>	<b>Databases</b>
	<ul style="list-style-type: none"><li>• Java</li><li>• Javascript</li><li>• HTML / CSS</li><li>• C++</li><li>• Python</li></ul>	<ul style="list-style-type: none"><li>• SQLite</li><li>• MySQL</li></ul>

EXPERIENCE	<b>Visual Design, Exhibition Team member</b>	2006 - 2020
	Visual Design Group - Patagonia	
	<ul style="list-style-type: none"><li>• Supported the installation of product exhibition and marketing materials.</li><li>• Supported and provided oversight of in-store visual marketing material installation during remodel operations.</li></ul>	
	<b>Independent Web Developer + Consultant</b>	2016 - 2019
	<ul style="list-style-type: none"><li>• Provided web-design and development services for small business.</li><li>• Built SEO Keyword Analysis tools to aid in marketing and SEO consultation services.</li></ul>	
	<b>Designer / Fabricator</b>	2015
	Plastik Banana Design Workshop	
	<ul style="list-style-type: none"><li>• Built architectural digital models, and digital product prototype models.</li><li>• Collaborated in design of product prototypes.</li><li>• Built digitally-modeled, and CNC fabricated furniture.</li></ul>	
	<b>Organic Farmer</b>	2008 - 2014
	Bell Organics	
	<ul style="list-style-type: none"><li>• Managed field operations.</li><li>• Oversaw soil remediation, fertilization, planting, harvesting, irrigation system installation, irrigation operations, equipment and field maintenance.</li></ul>	

PROJECTS	<b>Predicting photopigment concentrations with <i>TinyML</i>, <i>Arduino</i> and <i>Android</i> (In progress)</b>	
	Microcontroller-deployed prediction model as an instance of <i>TinyML</i> technology validation.	
	<ul style="list-style-type: none"><li>• Collected and curated dataset using Cyanobacteria proxy photopigment, <i>Sparkfun Triad Spectrometer</i>, <i>Arduino Nano 33 BLE Sense</i> and <i>Python</i>.</li><li>• Designed, trained and converted neural network(s) using <i>Keras API</i>, and <i>Tensorflow Lite for Microcontrollers</i>, for the prediction of concentration values.</li><li>• Built <i>Arduino</i> application for model deployment for performing predictions on microcontroller.</li><li>• Built <i>Android</i> application for control of <i>Arduino</i> peripheral and user control of inference.</li></ul>	
	<b>Growminder (Personal)</b>	<a href="https://github.com/tnjette/Growminder">https://github.com/tnjette/Growminder</a>
	<i>Android</i> Application to help farmers and gardeners track growing cycles based on location.	
	<ul style="list-style-type: none"><li>• Designed, and built mobile front-end in <i>Java</i>.</li><li>• Designed and built mobile back-end as an isolated <i>SQLite</i> instance.</li></ul>	
	<b>YouDontKnowAfrica! (Personal)</b>	<a href="https://github.com/tnjette/youdontknowafrica">https://github.com/tnjette/youdontknowafrica</a>
	Web Application providing educators with a fun, interactive geography quiz environment.	
	<ul style="list-style-type: none"><li>• Designed, and built web client application with <i>Javascript</i>, <i>HTML</i>, <i>CSS</i>, and <i>JVectorMap</i> Library</li><li>• Designed and built web server application with <i>Node.js</i>, and <i>Express.js</i>.</li><li>• Deployed server application to <i>Heroku</i> (<a href="http://youdontknowafrica.herokuapp.com/">http://youdontknowafrica.herokuapp.com/</a>)</li></ul>	