

# Alexander Wiegman

Authorized to work in the **United States** and **Japan** (Dual-Citizen)  
**Android, DevOps, and Website Developer – Remote Sensing Researcher – IT Certified**  
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## Skills

Certifications / Licenses	CompTIA CDIA+, Mobility+ (both are lifetime), A+ (until 12/2020)
Operating Systems	Windows, Ubuntu, Fedora Linux, and Mac OS X
Programming, Scripting	Python, HTML, UNIX, Ruby, R (confident), MATLAB, Java, SQL, and C (learning in-progress)
Familiar Tools	VMWare Virtual Guests, GIT, WordPress/CMS, Google Maps API, CircleCI Google Earth Engine, pix2pix-TensorFlow, Netlify, DNS, Let's Encrypt
Websites Created / Contributed	<a href="https://madicetea.me">https:// madicetea.me</a> , <a href="https://peakstudentcouncil.org">https://peakstudentcouncil.org</a> , <a href="http://www.gfd.c.u-tokyo.ac.jp">http://www.gfd.c.u-tokyo.ac.jp</a> , <a href="https://tokyo.hackjunction.com">https://tokyo.hackjunction.com</a> [2016-2017]

## Work Experience

<b>Research Assistant</b>	<b>Dr. Mori, University of Tokyo (Tokyo, Japan)</b>	<b>9/2018</b>
Modernizing and creating 25+ pages on Global Faculty Development website, designing four+ bilingual posters, and coaching colleagues on technology problems in the Office.		
<b>Website Developer, Security Analyst</b>	<b>Junction Ltd. (Tokyo, Japan)</b>	<b>11/2016 - 5/2017</b>
Protected information of 300 “hackers” by identifying a flaw in sharing permissions. Redesign in WordPress gave 500 participants and 50 others access to HTTPS security and improved page-loading.		

## Projects

<b>Future Predictions on Urbanization via Image Pixels</b>	<b><a href="https://github.com/MadIceTea/LIDA">https://github.com/MadIceTea/LIDA</a></b>
Thesis investigation using QGIS and MOLUSCE (python neural network) on Google Earth Engine classified images. Discovering trends in urbanization, population change, natural resource overuse in US and Japan (tentative).	
<b>Transport Card-Reader Android App</b>	<b><a href="https://github.com/MadIceTea/balanceic/wiki">https://github.com/MadIceTea/balanceic/wiki</a></b>
Developed app in Java checking current value and 20-entries of history on two types of NFC Japanese metro cards.	
<b>Informative Website for Student Activity</b>	<b><a href="https://github.com/PEAKStudentCouncil/website-prod">https://github.com/PEAKStudentCouncil/website-prod</a></b>
Informs 200 people about student activities and meetings with professors. Stored in GitHub for open-contribution, built on Hugo, and deployed on Netlify. Bolstered JavaScript, HTML, and YAML files for site configuration and CMS creation.	

## Education

<b>University of Tokyo</b>	<b>(Tokyo, Japan)</b>	<b>9/2015 – 9/2019 (predicted)</b>
<b>Bachelors of Environmental Science, Minors in Informatics &amp; Science and Technology Studies</b> (Major GPA: 3.55)		
<b>Modesto High School</b>	<b>(Modesto, California, USA)</b>	<b>8/2012 – 5/2015</b>
<b>International Baccalaureate Diploma, AP International Diploma, California High School Diploma</b> (GPA: 3.98)		

## Additional Experiences

Other	Native Japanese and English ability, ICMCP Blackhat Academic Scholar (2017), Project Management, studying for Network+/Security+/Amateur Radio license
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