

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	https:// madicetea.me , https://peakstudentcouncil.org , http://www.gfd.c.u-tokyo.ac.jp , https://tokyo.hackjunction.com [2016-2017]

Work Experience

Research Assistant	Dr. Mori, UTokyo (Tokyo, Japan)	9/2018 - (current)
Modernizing and creating 25+ pages on Global Faculty Development website, designing four+ bilingual posters, and coaching colleagues on technology problems in the Office.		
Website Developer, Security Analyst	Junction Ltd. (Tokyo, Japan)	11/2016 - 5/2017
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

Future Predictions on Urbanization via Image Pixels	https://github.com/MadIceTea/LIDA
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).	
Transport Card-Reader Android App	https://github.com/MadIceTea/balanceic/wiki
Developed app in Java checking current value and 20-entries of history on two types of NFC Japanese metro cards.	
Informative Website for Student Activity	https://github.com/PEAKStudentCouncil/website-prod
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

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