

Alexander Wiegman

Android and Website Developer – DevOps – Security Engineer

Soon-to-be University Graduate with Data Science Research, CompTIA IT Certified

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Education

B.A. in Environmental Science (GPA: 3.55)	University of Tokyo (Tokyo, Japan)	9/2015 – 7/2019
Minor in Informatics		(same as above)
Minor in Science and Technology Studies		(same as above)

Projects

Future Predictions on Urbanization via Image Pixels <https://github.com/MadIceTea/LIDA>

In-progress investigation for thesis using QGIS and MOLUSCE (python neural network) on Google Earth Engine classified images. Finding trends in urbanization, population change, natural resource overuse in US and Japan.

Transport Card-Reader Android App <https://github.com/MadIceTea/balanceic/wiki>

Checks history and value on Japanese metro cards, without worry about time of day or proximity to nearest train stations. English translations (planned) make app useful to a large (many thousands) international audience.

Informative Website for Student Activity <https://github.com/PEAKStudentCouncil/website-prod>

A source of information for 200 people about student activities and meetings with professors. The website is in active mid-stage development. Stored in GitHub for open-contribution, built on Hugo, and deployed with Netlify.

Work Experience

Research Assistant **Dr. Mori, University of Tokyo (Tokyo, Japan)** **9/2018 -**

Working with the Global Faculty Development Office to edit and update 20 pages on their website, made 3 bilingual posters to inform students, streamlined forms' data collection, and welcomed guest speakers/professors at events.

Website Developer, Security Analyst **Junction Ltd. (Tokyo, Japan)** **11/2016 - 5/2017**

Protected the information of 300 “hackers” by identifying a flaw in sharing permissions. Switch to WordPress gave our 500 participants and about 50 other interested parties access to HTTPS security and faster page-loading times.

Skills

Licenses	CompTIA CDIA+, Mobility+ (both are lifetime), A+ (until 12/2020)
OS	Windows, Ubuntu, Fedora Linux, and Mac OS X
Programming, Scripting	Python, HTML, Ruby, R, MATLAB, Java, JavaScript, and SQL (in order of familiarity, learning in-progress)
Familiar Tools	VMWare Virtual Guests, GIT, WordPress/CMS, Google Maps API, Google Earth Engine, pix2pix-TensorFlow, Netlify, DNS, Let's Encrypt
Other	Native Japanese and English, Project Management, BlackHat Conference x ICMCP Academic Paper Scholarship (2017), actively working towards cybersecurity certificate on Coursera and CompTIA Network+ and Security+ certification
Websites Contributed	https://peakstudentcouncil.org/ , http://www.gfd.c.u-tokyo.ac.jp/ , https://www.madicetea.me/ , https://tokyo.hackjunction.com/ [in past]