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 (Major 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**

First investigation for thesis using QGIS and MOLUSCE (python neural network) on Google Earth Engine land-use classified images. Capable of finding trends in urbanization, population change, and IT hubs within US and Japan.

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

Checks history and value on Japanese metro cards, without having to worry about time of day or proximity to nearest train stations. English translations (in-progress) makes the app useful to a potentially-large international audience.

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

Will be source of information for student activities and meetings with professors. The website is in early-stage development. It is store in GitHub for open-contribution, built on Netlify, and notifications are sent by Google Groups.

Work Experience

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

Working with the Global Faculty Development Office to edit and update their website, making bilingual posters to inform students, improved efficiency in forms' data collection, and welcoming 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	Java, HTML, CSS, R, MATLAB, Python, JavaScript and SQL (in order of familiarity, for many learning still in-progress)
Familiar Tools	VMWare Virtual Guests, GIT, WordPress, Google Maps API, Google Earth Engine, pix2pix in TensorFlow, Droplet, DNS, Let's Encrypt SSL
Other	Native Japanese and English, Project Management, BlackHat Conference x ICMCP Academic Paper Scholarship Awardee (2017), working towards cybersecurity certificate on Coursera and CompTIA Network+ and Security+ certification