

Alexander Wiegman

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CompTIA IT-Certified Professional – Security, Network, and Web Development Engineer

Education

The University of Tokyo [UTokyo] (Tokyo, Japan) **9/2015 – 9/2019**
Bachelor's Degree in Environmental Science | **Academic Minors** in Informatics & Science and Technology Studies

Work Experience

Cybersecurity Analyst **Pipeline Security, K.K. (Tokyo, Japan)** **2/2019 – 7/2019**

- Researched internal risk vulnerability by configuring secure policies & installing updates for our cloud-hosted virtual machines, and programming a BIND DNS server with Response-Policy Zones to examine SIEM data visualization by ELK.
- Transformed our customer image by contributing four articles of how-to documentation and negotiating our knowledgebase and homepage redesign with other members of our office.
- Investigated a false-positive spam listing, due to an issue identified in a shared hosting provider's nameservers (NS).
- Slashed company expenditure by facilitating secure data destruction / modernizing OS & software on our computers.

Research Assistant **UTokyo, GFD Office (Tokyo, Japan)** **9/2018 – 7/2019**

- Bolstered attendance in teaching methodology events (up to 1000 attendees) by designing ten bilingual event posters.
- Campaigned for a 40% increase in pre-registrations by automating a re-organization of CMS publication, and by writing over 50 new webpages on the Global Faculty Development website.
- Led hands-on mentoring sessions with two co-workers, ensuring quality and continuity in the above responsibilities.

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

- Relaxed worries of 550 participants towards *Junction Tokyo's* website by responsibly reporting configuration flaws in a form, installing an HTTPS certificate, and improving both loading & development time with a redesign in WordPress.

Skills

Certifications / Licenses	CompTIA A+ (until 12/2020), Mobility+, CDIA+ (both are lifetime),
Operating Systems	Windows, Mac OSX, Fedora, ChromeOS, Debian, CentOS, Ubuntu
Programming, Scripting	UNIX bash, JavaScript, Python, HTML
Programs / Toolkits	VMware Workstation, Git, Vultr, WordPress/CMS, Let's Encrypt, Netlify, Google Maps and GCE API, Google Earth Engine, QGIS, OpenCV, TensorFlow, DNS/BIND, ssh, Elasticsearch, Logstash, Kibana (ELK)
Websites Created / Contributed	https://madicetea.me [2018-], https://peakstudentcouncil.org [-2019], http://www.gfd.c.u-tokyo.ac.jp [-2019], https://tokyo.hackjunction.com [-2017]
Accomplishments	California State Seal of Multilingual Fluency in Japanese and English (2015), ICMCP Black Hat Academic Scholar (2017)

Projects

Future Prediction of Urbanization in Wildfire Areas <https://github.com/MadIceTea/FUWRM>

- Thesis investigation analyzed by a Python neural network ML with satellite images classified in Google Earth Engine.
- Suggest risk-mitigating ideas to trends in urbanization, wildfire, and environment in California, USA & Victoria, AUS.

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

- Matched talent in JavaScript, HTML, YAML, and domain set up to create a site and CMS for greater public visibility.
- Ensured continuity by storing programming in GitHub for open-contribution, and deployments in Netlify with Hugo.