github.com/c00k133
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Axel Neergaard

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Employment

Full Stack Developer — **Smartly.io** — **June 2019 – Present**
- Developing flagship Pinterest integration to the Smartly.io advertising platform.
- Planned, designed, and implemented keyword system for Pinterest advertisement groups.
- Extended development tool to automatically generate TypeScript types from JSON Schemas.

Chief Information Officer — **Teknologföreningen (TF)** — **2019**
- Teknologföreningen (or TF) is a Swedish speaking students' society at Aalto University founded in 1872.
- **IT Sector:** Implementing and administering IT systems within the society; Chief of the IT committee.
- **Information Sector:** Overseeing information flow within TF for approximately 1000 members; Publisher of the unions newspaper Modulen.

Software Engineer, Intern — **Verto Analytics** — **Summer 2018**
- Researched and developed state-of-the-art data gathering project for Android and iOS platforms; Automated and scaled data analysis capabilities.
- Streamlined data processing pipelines utilizing Apache Spark on Amazon EC2 clusters.

Teaching Assistant — **Aalto University** — **Spring & Fall 2018**
- Courses: Programming II, Algorithms and Data Structures; Course sizes 200–300 students.
- Oversaw weekly exercise sessions, assisting a median of 12 students per session; Marked tests and gave personal feedback.

Test Automation Engineer, Intern — **Profit Software** — **Summer 2017**
- Enhanced in-house Robot Framework test library, ensuring quality of main product.

Education

Espoo, Finland — **Aalto University** — **Fall 2016 – Spring 2021**
- M.Sc. in Security and Cloud Computing (SECCLO - Erasmus Mundus), Spring 2021.
- B.Sc. in Computer Science and Engineering with Minor in Interdisciplinary Product Development (Aaltonaut), Spring 2019. Received with honors.
- Exchange at Yale-NUS, Singapore, Spring 2020.

Espoo, Finland — **Mattlidens Gymnasium IB** — **Fall 2012 – Spring 2015**
- International Baccalaureate Diploma Programme.

Technical Experience

- Administration and provisioning of personal services on private server. DigitalOcean, Ubuntu Server, Docker.

Projects
- **Photo Gallery** (2019–2020). Flat-file photo gallery with thumbnail generation capabilities for Teknologföreningen. Webpage: foto.tf.fi. Django, jQuery, LDAP, Apache2.
- **Q-Learning Worms** (2018). Reinforcement learning project in the form of teaching worms to move through unknown environments. C++, Box2D.
- **Libby** (2017–2018). Library voice assistant for general help around the Otaniemi (Aalto) campus. Python, Amazon Alexa, AWS Lambda, RaspberryPi 3.

Additional Experience

- **EMMA Taidemuseokoulu (2003–2012):** Arts related studies parallel to elementary studies.

Languages and Technologies

- Scala, Java, Python, C/C++, JavaScript/NodeJS, TypeScript, Bash, Clojure.
- Django, GraphQL, Apache Spark, Apache HTTP, Robot Framework, React/Redux, PostgreSQL, Git, Unix, Ansible.