

SEBASTIAN PENTTINEN

Bachelor in Computer Science

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📍 Turku, Finland

in <https://www.linkedin.com/in/sebastian-penttinen>

🔗 <https://github.com/sebastianpenttinen>



EXPERIENCE

Research Assistant

Åbo Akademi University

📅 Nov 2019 – Ongoing

📍 Turku, Finland

- Working full time as a research assistant.
- Main responsibility is to write my master thesis on "Collision avoidance for autonomous vessels using reinforcement learning".
- Tech stack: Python, Open Ai gym, Qt

Software Developer Trainee

Beamex Oy Ab

📅 Jun 2018 – Mar 2020

📍 Pietarsaari, Finland

- Part time work alongside studies.
- Main responsibilities are implementation and development of test automation.
- Tech stack: C#, Ranorex, Javascript

ICT-Specialist Trainee

Beamex Oy Ab

📅 Jun 2017 – Sep 2018

📍 Pietarsaari, Finland

- Part time work alongside studies
- Main responsibilities were system administration, user assistance and tech support.

IT Support Technician

Beamex Oy Ab

📅 Jun 2016 – Aug 2016

📍 Pietarsaari, Finland

- Summer Job
- Main responsibilities were user assistance and tech support.

PROJECTS

EZAI

Åbo Akademi University Project Course

📅 Sep 2018 – May 2019

- Web site and API to provide dynamically generated API endpoints for machine learning models
- Tech stack: Python, Django, PostgreSQL, Bulma

VOLUNTEER WORK

Åa-Kodar

Åbo Akademi University

📅 March & Dec 2019

📍 Turku, Finland

- Taught programming and supported non programmers on a programming camp

Hour of Code

Åbo Akademi University

📅 Fall 2018

📍 Turku, Finland

- Worked as a coach on an event to get kids interested in programming

STRENGTHS

Hard-working

Fast learner

Punctual

Problem solving

Teamwork

Taking initiative

Communication

Social skills

SKILLS

Python

Django

Javascript

Java

Git

HTML

CSS

C#

SQL

Docker

MongoDB

Latex

Ranorex

Software Testing

Test automation

Reinforcement Learning

Data analysis

Machine Learning

Technical Support

Agile development

Scrum

LANGUAGES

- Swedish - Native speaker

- Finnish - Professional working proficiency

- English - Full professional working proficiency

EDUCATION

M.Sc. in Computer Science

Åbo Akademi University

Sept 2018 – May 2020

Thesis topic: Collision avoidance for autonomous vessels using reinforcement learning

B.Sc. in Computer Science

Åbo Akademi University

Sept 2015 – May 2018

Thesis title: Diffie-Hellman key exchange protocol: function and attacks

POSITIONS OF RESPONSIBILITY

Board Member

Turun Korkeakoulujen Reserviläiset ry

Jan 2019 – Ongoing Turku, Finland

Serving as a board member responsible for member affairs

Reserve Officer

Finnish Defence Forces

June 2015 – Ongoing

Currently holding the rank of second lieutenant and an active reservist

REFEREES

Marina Waldén, Phd. & Adjunct Professor

@ Åbo Akademi University, Dpt. of Information Technologies

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