Creative Technologist / Data Analyst / Project Manager

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PETRI RUIKKA

Skills

- Project Management (10+ years of experience)
- Motion graphics & 3D (5+ years of experience, After Effects, Unreal Engine)
- Excel (XLOOKUP, Data Cleaning, Pivot Tables, Visualizations)
- Experience using Excel in professional settings for many years, mainly in financial planning
- SQL (SQL Server, MySQL)

- Microsoft Azure (Fundamentals of Azure Data Studio & Azure SQL databases)
- Python (Pandas, NumPy, MatPlotLib)
- Statistics (descriptive statistics, linear regression)
- Probability (set theory, conditional, Bayesian, variables, distributions)
- Web backend (Node, JS/TS)
- Version Control (Git and Github)

Work Experience Highlights

R-BUS ROBOT BUS PROJECT – Artist Laura Beloff & HAM Museum **–**Helsinki, Finland   Oct 2022 – September 2023

- **R-Bus** was a large-scale public artwork commissioned by the Helsinki Art Museum (HAM) and the City of Helsinki.
- It featured **a self-driving robot bus** that operated in the developing Kalasatama area of Helsinki.
- I was one of the key people managing the collaboration between numerous stakeholders to ensure smooth operation of the autonomous vehicle in an open city area.
- One of my top priorities was planning the route logistics from audience interaction perspective and ensuring that passengers could engage effectively with the bus and its autonomous route choices.

UNTITLED FESTIVAL PRODUCER AND CURATOR – Demos Helsinki – Helsinki   Jan - Oct 2020

- UNTITLED was a large-scale hybrid on-site/online festival run by Demos Helsinki and the UNTITLED alliance. The project aimed to collectively reimagine society, and to create an agenda for ecological and social transformation. We had 388 participants from 25 different countries.
- My role was multifaceted: I oversaw the production of the festival, curated the art program, and functioned as the technical producer for the online event production.
- The pandemic radically reshaped the event landscape. Originally envisioned as a more traditional festival/symposium, our plans were continually evolving as the pandemic unfolded throughout the eventful year of 2020.

OCCUPY EARTH LECTURER AND COURSE LEAD– Aalto University – Helsinki & NYC   2017 - 2019

- Led large-scale international collaboration between Aalto University and Parsons School of Design, focusing on digital and environmental art and design.
- Coordinated hybrid teaching environment connecting 40+ students across multiple time zones and institutions.
- Successfully guided multiple student teams through completion of sophisticated digital and environmental art projects, and conducted on-site workshops at Parsons School of Design in New York.
- Yearly courses culminated in public exhibitions at Aalto University, Espoo, showcasing student works from both Universities.

PIXELACHE FESTIVAL COORDINATOR AND DIRECTOR– Piknik Frequency ry – Helsinki   2014 - 2017

- Coordinator of the organization from the end of 2014 to early 2017.
- Responsible for the everyday operations, accounting and financial planning, grant applications and reporting, yearly reporting and activity plans, and maintaining various partnerships.
- Initiated multiple projects from 2015 onwards that lead to both increased funding and continuous development of new projects.
- Co-Director of the 2016 "Interfaces for Empathy" -festival. Initiated a new interdisciplinary curatorial team. Over 100 artists' works were presented in several locations around Helsinki.
- Coordinated the production of 2015 festival, and co-produced the 2014 Festival in Vartiosaari Island.

Project Highlights

WEB PLATFORM BACKEND – Artist Laura Beloff **–** Helsinki   March-June 2023
- Created NestJS **(NodeJS** Framework) based **API** for a large-scale public art work's website that had significant audience guidance elements.
- I worked as a junior dev on the project under the supervision of senior developer. Main tech stack used for the project was NestJS, **TypeScript**, **MySQL Database**, Prisma ORM and Passport/JWT.
- I concentrated on the authentication and the database structure and ORM to database structure.
- Used **GitHub** extensively as a development environment.

UNREAL ENGINE ANIMATION AND ENVIRONMENT – Axel Thesleff Music Video - Helsinki   April – June 2023
- Responsible for concept planning, motion capture direction, Unreal engine environment building, character animations, Niagara effects, camera animations, lighting, grading, and export rendering.
- The animation work was an organic viral hit on Axel's Instagram, reaching around 150k+ plays and 10k+ likes.

CONCERT VISUALIZATION SYSTEM DESIGN – Axel Thesleff Live Show - Helsinki   2020
- Designed and implemented comprehensive visualization system combining After Effects pre-rendered content with real-time processing using Millumin, Modul8, and Ableton Live
- Created fully autonomous visualization system utilizing MIDI, audio analysis and audio reactivity, and timeline markers for reliable performance system
- Project reached 666k+ YouTube views on artist channel, with additional 186k views on standalone visualization content

Education

MASTER OF ARTS – Aalto University – Helsinki   September 2005 - May 2011
Majors: Digital Media, Motion Graphics, Interactive Media, Dramaturgy

**VOCATIONAL QUALIFICATION IN INFORMATION AND
COMMUNICATIONS TECHNOLOGY** – Taitotalo – Helsinki   Sept 2022 - May 2023
Majoring in Python: Data Structures, analytics ecosystem and OOP. Within school related
internship work TypeScript, NodeJS framework and Database integration (ORM) and Git.

OPEN POLYTECHNICS – Various Polytechnics   August 2022 - ongoing
Metropolia: SQL Basics, Introduction to Artificial Intelligence, Introduction to JavaScript, NodeJS
HAMK: Python for Data Science, IoT Architectures, IoT sensors and performance
XAMK: Unreal Engine Basics

COURSERA – Online Platform   August 2024 - ongoing
University of Zurich: Intuitive Introduction to Probability
Microsoft Education: Microsoft 365 Fundamentals Excel Specialization
Macquarie University: Excel Fundamentals for Data Analysis
IBM: Introduction to Data Analytics & Excel Basics for Data Analytics

OTHER QUALIFICATIONS
Excel: Analyst Builder platform "Excel for Data Analytics"   October 2024
Excel: Eduhouse Data Analytics with Excel   May 2023
SQL: Eduhouse SQL Basics (Microsoft SQL Server)   April 2023