Henrik Sedvall

 Falun, Sweden   henrik.sedvall@gmail.com   +46 730 405 546
 hcdvall   henriksedvall.com   yhsedvall

Profile

- Software Engineer with a **knack for physics and AI**
- Professional background in **software- and agile development**
- Experience in taking projects from **concept to deployment**

Work Experience

AI Programmer Intern
Dimfrost Studio

May 2023 — Dec 2023
 Norrköping, Sweden

- Researched, prototyped and implemented AI-related game features and techniques (e.g. **Learning Agents**, PSO), but also helped develop and refine general structures for software architecture
- Created components for gameplay using the **Gameplay Ability System**, e.g. interaction- and detection system
- Participated in the regular development workflows in cross-disciplinary teams

Machine Learning Engineer
Advectas/Capgemini

2019 — Today
 Gothenburg, Sweden

- Planned and led projects at several companies, both **startups and larger corporations**
- Tasks including churn analytics, NLP, anomaly detection and sometimes web app development, with deployed solutions in cloud services (e.g. **AWS**), always using a variety of Python tools (e.g. **TensorFlow/PyTorch**) and **SQL**
- I have also **held technical interviews** with candidates and I have been **mentor** for junior consultants

Software Engineer
Sigma IT Consulting

2017 — 2018
 Gothenburg, Sweden

- Developed software for radio base stations at Ericsson in a **cross-functional** team
- Work included feature design and planning, unit testing and manual test automation

Education

Game Programmer
Futuregames

2021 — Today
 Remote/Skellefteå, Sweden

- Higher vocational education in game development with **Unreal Engine** and Unity with focus on programming
- Emphasis on team projects, but also courses covering design patterns, ECS, Networking, OpenGL and OpenCV etc.

M.Sc. Engineering Physics
Uppsala University

2010 — 2017
 Uppsala, Sweden

- Major in Computational Science - a profile that combines engineering, physics, math and programming
- Emphasis on problem solving in the domains of **high performance computing**, **computer graphics** and **AI**

Skills

Programming:	**C++**, **Python**, C#, SQL, Java, Bash
Software Tools:	**Unreal**, **AWS**, **Git**, **Linux**, Docker, Unity, Perforce, UML, Jira
Professional Experience:	Scrum, MLOps, Project Leading, Feature Planning, Mentoring
Cerifications:	SAFe Scrum Master (Jan -23)
Languages:	Swedish (native), English (fluent)