Tom Licha

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OBJECTIVES

My first aim is to develop skills and network in the spacecraft/aircraft and game industries to be able to first find an internship and latter a job. From there, I would like to move into a company as a Developer or a Project manager.

EDUCATION

Software engineering | Fontys in Eindhoven

2018 – PRESENT

Enrolled as an exchange student at the university of Fontys for one semester. This is the occasion to add additional knowledge to my engineer degree and to have a better understanding and a greater involvement into the European culture. Being involved in the international part of the university, it allows me to meet many people from many different horizons and culture which is an enriching adventure. This semester is about software development with service-oriented techniques, secure programming, hacking techniques, integration, image processing vision for the technical skills and it also brings me competences about quality principles, business economics, IT operations and E-business. In brief, both technical and managerial skills.

Engineer | Brest National School of Engineering

2014 – PRESENT

Currently studying in the fifth year of a five-year course in General Engineering with Computer science, electronics and mechanics. Diploma expected in 2019 after my 6 months end-of-study internship.

Baccalauréat | Lycée du grésivaudan à Meylan

2011 – 2014

Gained the Baccalauréat, French secondary education diploma, with first class honours.

EXPERIENCE

VR researcher and developer | Virtual Operating Room | University of Würzburg, Germany
FEBRUARY 2018 – MAY 2018

- Create and develop an Operating Room simulator using virtual reality to train surgeons
- C-ARM for medical imaging (X-ray-based medical device)
- Modeling with Blender
- Development of the virtual environment with Unity 3D 2017
- HTC Vive / Steam VR
- Agile development in cooperation with the INTUS department of the Hospital of Würzburg
- Demo: youtube.com/watch?v=E5dttTMBmD4

Web developer | IoT PoC internship | Triskalia, France
JUNE 2017 – SEPTEMBER 2017

- Conducted research into the feasibility, cost, robustness of the project
- Supervised and inspected the installation, modification, testing and operation of three objects: indoor sensor, hopper level probe and water meter
- Developed website to display objects data in graphics using dygraph library
- Implementation of web alert when the measures reach critical levels
- Tester for the new versioning environment, using git and AWS for continuous and Agile development

Specialized worker in stainless steel | Inoxforma, Spain
JANUARY 2015

- Created multiple equipment for agribusiness from stainless steel sheets, control valve for pipelines
- Worked directly with laser cutter
- 3D welding

SKILLS

- Proven skills in presentation, communication, leadership and teamwork

- Demonstrated ability to adapt from an existing project using versioning such as git

- Computer skills include C, C++, C#, Java, Python, HTML5, CSS3, JavaScript, PHP, JDK Android, Unity, Blender, MS Office, Unix, Windows

- Agile Development, DevOps

- Strong knowledge in modeling language with different software such as modelio, pipe…

- Professional communication skills include fluency in French and proficient level of language proficiency in English (TOEIC 960)

- Computer Repair, tech addicted

- VR development with Unity 3D and modeling on Blender

PERSONAL PROJECTS

Online resume available at tomlicha.github.io, HTML, CSS and JavaScript website. Used bootstrap Tweeter, bower components. Code available on demand.

Raspberry pi used as a remote camera connected to a distant computer through a VNC service, also used as an IoT command center connected to various sensors (humidity, temperature, light, gas…)

Cashless Android Application using NFC technology already integrated in most smartphones, and a local database. Software used: Android studio.

MISCELLANEOUS

I have a keen interest in aircraft history, sport and played regularly for a local badminton club in competition for 5 years.

Gaming experience: gamer as soon as I could walk with Rayman, Age-of-Empire and now multiple MOBA such as League of Legends, action/adventure/simulation video games with Kerbal Space Program, Star Citizen, GTA, assassin's Creed.

REFERENCES

- Marc Erich Latoschik - @ marc.latoschik@uni-wuerzburg.de– University of Würzburg
- Jean-Luc Lugrin - @ - jean-luc.lugin@uni-wuerzburg.de– University of Würzburg
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