Hans Schülein

Curriculum Vitae

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Education

2007–2016	Markgraf-Georg-Friedrich-Gymnasium (MGF) high school in Kulmbach; Abitur 1.9 (GPA 3.1).
2013–2014	High school study as senior at New Trier High School in Chicago, USA with MGF stipend.
2016–2020	B.Sc. in *Aerospace Computer Science* at Julius-Maximilians-Universität (JMU) Würzburg; 180 ECTS; Final grade 1.3 (GPA 3.7).
since 2020	Master of *Satellite Technology* at JMU Würzburg; Current grade 1.3 (GPA 3.7).

Internships and Projects

2015	Regional victory at *Jugend Forscht* for developing a Bluetooth 3D computer mouse.
2016	Programming a capsule reentry simulator for the science propaedeutical seminar at MGF.
2016	iOS app development work for *ic-innovative software GmbH*.
2017–2019	Developing printed circuit boards for QUEST on BEXUS 27 scientific stratospheric balloon.
2020	Bachelor's thesis writing a satellite ground station; „Building a Python Application for Recording a CORFU EGSE Link"; Grade 1.0 (GPA 4.0).
2020–2021	Research assistant at JMU for developing satellite ground station software.
2020–2021	Teaching assistant for *Algorithmen und Datenstrukturen* (*Algorithms and Data Structures*).
2020	*FloatSat Project* with air cushioned satellite simulators; Grade 1.0 (GPA 4.0).
2021	*Team Design Project* „Building an attitude control system on an air-bearing table".
since 2019	Independent iOS app development „Hexer — Hex File Viewer".
2022–2023	Master's Thesis „Thermal Analysis of the SONATE-2 NanoSatellite Mission".
since 2022	Working student for VBA development at *SySS GmbH*.

Technical Abilities

Programming	Python, Swift, C/C++, VBA, Java, MATLAB, Embedded;
3D-Software	Fusion 360, Blender, Prusa Slicer.
Other Software	LaTeX, Various Image Editing and Graphics Apps.
Hardware	3D-Printer, PCB Design and Placement, Soldering, Raspberry Pi.

Languages

German	Native.
English	B2+/C1; One year of study in the USA.
Latin	Latin Proficiency Certificate.
Spanish	A1.