

# Stuhlmeier

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**This is an abridged résumé.**

Further details may be available upon request.

## PROFILE

Date of birth: 4 July 2002  
Place of birth: New York, United States  
Nationality: United States, Austria  
Languages: English (native), German (fluent)

## Contact

<https://stuhlmeier.github.io>

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## EDUCATION

1<sup>st</sup> – 8<sup>th</sup> United States  
9<sup>th</sup> – 13<sup>th</sup> HTBLuVA Wien 5 (Spengergasse)

September 2015 – present *in Vienna, Austria*  
School year 2019/20 (year 13, 5<sup>th</sup> year at HTL, age 17)

The main focus of the informatics curriculum is, in addition to that of a standard high school, network administration and security, software development, project management (waterfall and agile), and database administration. Frameworks and tools used include Spring Boot, Docker, ASP.NET, and Android with AndroidX.

## Technical subjects

- Networking, distributed systems (Cisco curriculum)
- Software engineering (Java, C#)
- Database administration and management (MySQL, SQL Server and Oracle)
- Project management
- IoT (electronics, fuzzy logic, image processing, logic programming with Prolog)

## Honors:

2016	9 <sup>th</sup> grade	High Honors
2017	10 <sup>th</sup> grade	Honors
2018	11 <sup>th</sup> grade	High Honors
2019	12 <sup>th</sup> grade	High Honors

## CERTIFICATIONS

### Cisco NetAcad

As part of the networking curriculum, I took the following NetAcad courses:

- CCNA1, Introduction to Networks (passed with merit)
- CCNA2, Routing & Switching (passed with merit)
- CCNA3, Scaling Networks (passed with merit)
- CCNA4, Connecting Networks (passed with merit)
- CCNAS, Security (in progress)

### College Board Advanced Placement (AP) examinations

Computer Science A	5/5
Calculus (Analysis)	
BC	5/5
<i>AB sub-score</i>	5/5
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Physics C (calculus-based)	
Electricity and Magnetism	5/5
Mechanics	5/5
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Biology	5/5
Chemistry	4/5
Environmental Science	5/5
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German Language and Culture	5/5
English Language and Composition	5/5

### *College Board awards*

2019	AP International Diploma
	AP Scholar with Distinction
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2017	National AP Scholar
	AP Scholar with Distinction
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2016	AP Scholar with Honor

### College Board College Level Examination Program (CLEP)

College Mathematics	80/80
Precalculus	78/80
Calculus	80/80

### Johns Hopkins Study of Exceptional Talent (SET)

Students qualify for the SET by scoring at least 700 on either the Mathematics or Critical Reading sections of the SAT exam (a standardized university admissions exam) before age 13.

2013   Invited as a member of SET

## COMPETITIONS

2019	9 <sup>th</sup> at Catalysts' general coding contest (Classic CCC)
2019	2 <sup>nd</sup> at Catalysts' student coding contest (School CCC)
2018	1 <sup>st</sup> at the School CCC Silver medalist at the Classic CCC
2017	Participated in Austrian Informatics Olympiad (AOI) Qualified for and competed in both rounds of the AOI 3 <sup>rd</sup> at the second School CCC 3 <sup>rd</sup> at the first School CCC
2016	1000/1000 in Silver division at USA Computing Olympiad (USACO) 1000/1000 in Bronze division at USACO Bronze medalist at School CCC

## QUALIFICATIONS

### Experience

A complete list of my qualifications and projects, including descriptions, is available on [my website](#).

Kotlin	☆☆☆☆☆	Fully proficient in all language features and the standard libraries.
Java	☆☆☆☆☆	Fully proficient in all language features and the standard libraries.
C, C++	☆☆☆☆☆	Fully proficient in all language features and the standard libraries.
C#	☆☆☆☆☆	Fully proficient in most language features and the standard libraries.
Python	☆☆☆☆	Proficient in most language features.
SQL	☆☆☆☆☆	Proficient in most language features, depending on DBMS.
MongoDB	☆☆☆☆☆	Fully proficient in most features.
Cassandra	☆☆☆☆☆	Fully proficient in most features.
Linux	☆☆☆☆☆	

In addition, I am a regular contributor to the Q&A website Stack Overflow, and often create and contribute to small open-source projects (i.e. on GitHub). While I am mainly interested in the JVM and C++ worlds, I keep a lookout for interesting projects or tools written in any language.

I have a some experience with the deep learning and computer vision software PyTorch and OpenCV, due to work done on school projects in partnership with various companies.

## EMPLOYMENT

### Full-time intern @ Rubicon IT GmbH

July 2017 – September 2017 *in Vienna, Austria*

For the first four weeks, I worked on and completed an internal finance and team management web application with a team of four. In the second month, I built a program to automate the process of documentation generation for a financial record management system.