

# MILAN FERUS-COMELO

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## Education

- Present Student at Berkeley City College and Gymnasium Ochsenhausen
- 2017 – 2020 **ALBANY HIGH SCHOOL** | California, USA  
10 – 12 Grade, High School Diploma

## Honors and Awards

- 2019 **National Interscholastic Cycling Association (NICA) Specialized Student-Athlete Leadership Award**  
<https://www.nationalmtb.org/nica-honors-its-2019-award-recipients/>  
Selected from over 19,000 athletes in the USA.
- 2019 **PicoCTF Hackathon**  
Placed in top 6% of over 24,000 school and college students globally
- 2018 **Grand Concours**  
Placed 11th out of over 14,300 students nationally in a French Olympiad

## Professional Experience

- 09.2018 – 06.2020 **TRC Companies** | Concord, California  
<https://www.trccompanies.com/>  
Worked on environmental remediation projects and assisted with database management and optimization of over 50 sites, including the development of VBA macros and providing Quality Assurance and Quality Control (QAQC) review. Prepared over 200 data transmittals for clients for ongoing confidential monitoring projects.
- 2015 – 2020 **IT INTERNSHIPS**
- AI4ALL** | UC Berkeley, California [08.2020]  
<https://ai-4-all.org/>  
Assisted staff with online classroom instruction and program administration. Helped curate a Python resource guide. Conducted presentation on practical applications of AI.
- Uzoorba Technologies** | Goa, India [Summer 2018, 2019]  
<https://www.uzoorba.com/>  
Developed websites and apps for Indian and International companies.
- Goans Empowered with IT (GEIT)** | Goa, India [Winter 2015, 2016]  
Taught children from rural schools in Goa, India about the field of Internet Technology (IT) such as programming, robotics, and app development.
- 2019 – Present **SOFTWARE DEVELOPMENT**
- Founder, iQuench** [06.2020 – Present]  
<https://iquench.org/>  
Developed and designed a full-stack web app to aid outdoor enthusiasts locate publicly available water fountains all over the world.
- Machine learning algorithms** [06.2020 – Present]  
Developed a neural style transfer algorithm that generates art. Raised more than \$550 for the Black Lives Matter movement.

[Url2Go \[11.2020 – Present\]](#)

<https://gymox.page/>

Developed and designed a URL shortener for Gymnasium Ochsenhausen.

[Freelance web and software developer \[01.2019 – Present\]](#)

Design and development websites and software.

2017 – 2020

## TEACHING

[Private mathematics tutor | Albany, California \[08.2019 – 06.2020\]](#)

Private tutor for a student in the 9<sup>th</sup> grade. Raised the grade from a D to a B.

[Kinderstube | Albany, California \[01.2020 – 06.2020\]](#)

Taught German to a kindergarten class. Assisted with delivering course content and entertaining children.

[The Crucible | West Oakland, California \[2017 – 2018\]](#)

Helped children build their own cycles using donated parts.

[SheHacks, Hackathon | Online \[05.2020\]](#)

Conducted a workshop targeting more than 65 international attendees to support and equip young women with essential technology skills. Advised and aided groups with their projects.

[Panelist Arizona State University & University of Maryland \[06.2020 – 07.2020\]](#)

Invited to share my experience working with Artificial Intelligence.

09.2019 – 10.2019

[Alameda County Youth Leadership Academy | California](#)

<https://www.acgov.org/academies/youth/>

A program facilitated by the County Administrator's Office to promote civic engagement, community service, and leadership.

08.2019

[AI4ALL | UC Berkeley, California](#)

<https://ai-4-all.org/>

Learned about the fundamentals of AI with a human-centered focus at the AI4ALL UC Berkeley summer education program. Developed a reinforcement learning algorithm using TensorFlow and Python for autonomous driving. Chosen from over 150 international applicants

## Certifications

Explore Machine Learning Models with Explainable AI; Perform Foundational Data, ML, and AI Tasks; Google Analytics Individual Qualification; Neural Style with TensorFlow; Create ML Models with BigQuery ML; Integrate with Machine Learning APIs; AWS Cloud Practitioner Essentials; Chatbots with IBM Watson; Google Fundamentals of Digital Marketing; Google Digital Unlocked

## Languages and Skills

Languages	English (Fluent), German (Fluent), French (Good), Hindi (Advanced Beginner)
Computer Skills	Python, TensorFlow, Angular, Ionic, HTML, CSS, JavaScript, TypeScript, Node.js, C#, Jekyll, WordPress, ASP.NET, Git, MySQL, Firebase, and more  Fusion 360, SketchUp, Raspberry Pi, Adobe (Illustrator, Photoshop, und Audition), IBM Watson, Unity3D, Microsoft Office und Google Suite
Hobbies	XC Mountain Biking, Programming