Eliott Johnson

Sep 12, 1993 • 8A ch. de Challendin, CH-1224 Chêne-bougeries • Swiss nationality
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EDUCATION

University of Geneva   Geneva, CH
M.Sc. in Particles Physics   Sep 2018 – Jun 2020
Quantum Electrodynamics & Chromodynamics, Quantum Field Theory, General
Relativity, Cosmic Ray Physics, Detectors and Accelerators

University of Goettingen   Goettingen, GER
Hadron collider physics school (HASCO)   Jul 2018
International Student Exchange Program

University of Geneva   Geneva, CH
B.Sc. in Physics   Sep 2015 – Jun 2018
Classical Mechanics, Electrodynamics, Linear Algebra, Complex & Fourier Analysis,
Astrophysics, Statistical Mechanics and Solid State Physics

Swiss Federal Institute of Technology Lausanne (EPFL)   Lausanne, CH
Mechanical engineering   Sep 2014 – Jun 2015
Analysis, Linear Algebra, Classical Mechanics, Thermodynamics, Mechanical
construction, Global issues, Communication, Structural mechanics, Materials,
Electricity

Swiss Federal Institute of Technology Zürich (ETH)   Zürich, CH
Mechanical engineering   Sep 2013 – Jun 2014
Analysis, Linear Algebra, Classical mechanics, Materials and manufacturing,
Technical drawing & CAD, Chemistry, Machine elements, Computer science,
Innovation process & project

WORK EXPERIENCE

Airline Customer Service Agent - Swissport   Geneva, CH
                                                              Nov 2018 – Present

- Responsible for all passenger movements between the terminal and aircraft as well
  as processing travel documents and assigning boarding passes
- International airport tarmac security clearance and driving license
- Irregular hours (evening, nights, WE, holidays)

European Organization for Nuclear Research (CERN)   Geneva, CH
                                                              Sep 2019 – Jul 2020

- Participated in the creation of FASER, a new experiment that focuses on weakly
  interacting massive particles
- Quality assurance and programming of the signal triggering system
- Integrated my design in the workflow of a team of 30+ international scientists

Physics Laboratory Assistant - University of Geneva & ECG Jean-Piaget Geneva, CH
Sep 2018 – Aug 2020

- Mentored students from high school and university to acquire and analyse data using hands-on experiments

Mechanical Engineering Internship - Rolex Geneva, CH
Jan 2014 – Feb 2014

- Participated in the different stages involved in the creation of high quality watches, from gold melting to ceramic milling

Swiss Army - Aviation Squadron 14 Payerne & Sion, CH
Jul 2012 – Dec 2012

- Aviation soldier on the F-5 Tiger and F-18 Hornet
- Preparing the planes on-board inertial navigation system as well as refueling and hand signaling the start up procedure

ADDITIONAL EXPERIENCE

Expert in Radioprotection - CHUV Lausanne, CH
Feb – Jul 2019

- Qualified as a radiation protection expert in the use of unsealed radioactive materials in a B/C work area

Aviation Enthusiast Grenchen, CH
2014

- Private Pilot License (PPL) and Aerobatics
- Recommended by SPHAIR to become a commercial and/or a military pilot
- Participated three times in the Swiss national aerobatics championship

SKILLS

Languages
French - Native
English - Full professional
German - Intermediate

Computer Skills

- **Microsoft Office Suite:** Excel, Word, PowerPoint, Outlook
- **Programming:** C++, Python, Github (version control)
- **Data Analysis:** SQL, Mathematica, Matlab, Root, Igor
- **Other:** Linux, LaTeX, CAD, Arduino, 3D printing, Adobe Premiere, Computer building

PUBLICATION

Master Thesis

[1] E. Johnson. "FASER Trigger Logic Board Hardware Commissioning and Data Acquisition Software Development". In: *DPNC* (2020). URL: http://dpnc.unige.ch/MASTERS/MASTER_JOHNSON.pdf.