

# Jakub Begera

SOFTWARE ENGINEER

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## Education

### Czech Technical University, Faculty of Electrical Engineering

Prague, Czech Republic

M.S. (ING.) IN OPEN INFORMATICS

Sep 2016 - Present

- Computer Science and Software Engineering.
- Specialization in Software Engineering.

### Costa Rica Institute of Technology

Cartago, Costa Rica

STUDY ABROAD

Feb 2018 - May 2018

- Finishing of Master's thesis within internship in PARMA group (Pattern Recognition and Machine Learning Group)

### Czech Technical University, Faculty of Electrical Engineering

Prague, Czech Republic

B.S. (Bc.) IN SOFTWARE ENGINEERING AND MANAGEMENT

Feb 2013 - Jun 2016

- Software Engineering specialization.

### Julius-Maximilians-Universität Würzburg

Würzburg, Germany

AEROSPACE INFORMATION TECHNOLOGY SUMMER SCHOOL

July 2015 - Aug 2015

- Summer school focused on Aerospace Information Technology, such as: avionics, orbital mechanics, control, real-time systems and mission control, control of quadcopters, power subsystem etc.

## Experience

### Inventi LABS

Prague, Czech Republic

ANDROID DEVELOPER

May 2018 - present

- Analysis, design, implementation and testing of Android applications.

### EASYCORE

Prague, Czech Republic

ANDROID DEVELOPER

Feb 2016 - May 2018

- Analysis, design, implementation and testing of Android applications.
- Company acquired by Inventi on May 2018.

### Institute of Experimental and Applied Physics, Czech Technical University

Prague, Czech Republic

SOFTWARE DEVELOPER

Nov 2013 - Present

- Developing of the data acquisition, control and calibration software for radiation detector instrumentation.

### CERN

Geneva, Switzerland

COLLABORATION MEMBER

Nov 2014 - Present

- ATLAS TPX experiment: development, deployment and testing of data acquisition software and its integration into CERN's software infrastructure (such as Detector Control System, etc.).
- Taking shifts in ATLAS Control room at Inner Detector (ID) desk (operation control and data quality monitoring of sub-detectors of the ID, consisting of: Pixel, Semiconductor Tracker (SCT), Transition Radiation Tracker (TRT) and Beam Conditions Monitors).
- Member of the ATLAS Collaboration.

### Czech Technical University

Prague, Czech Republic

MEMBER OF THE ACADEMIC SENATE

Jan 2017 - Present

- Representative of the Faculty of Electrical Engineering in the Academic Senate of the CTU in Prague elected by student community.
- Member of Committee for IT Strategy and Student's Committee.

## Publications

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### **Software system for data acquisition and analysis operating the ATLAS-TPX network**

*IEEE - International Conference on  
Applied Electronics*

*Sep. 2017*

PETR MANEK, JAKUB BEGERA, BENEDIKT BERGMANN, PETR BURIAN

- I participated in writing of a publication about research topic related to my Bachelor Thesis.
- Published on International Conference on Applied Electronics.