290 Spl. Independentei St,
Bl P22, Ap 135, 060029

GEORGE-CRISTIAN MURARU

+40753072524
murarugeorgec@gmail.com

WORK EXPERIENCE

Fitbit   **Software Development Engineer**   **August 2017 - October 2018**
- Worked on the Charge 3 product.
- Responsible for adding new tests to the automation pipelines (Groovy), refactoring automation code and creating a visual tool used by developers to debug crash reports such that new products could be easily added in the future (HTML, Javascript, Flask, Python).

JPMorgan & Chase Co.   **Summer Analyst Intern**   **July 2016 - August 2016**

- Worked on an internal project that would start a workflow in an end-to-end communication between specific components.
- This would allow the team to find specific bugs and bottlenecks in the communication process.

Google Summer of Code Student   **Google**   **May 2015 - August 2015**
Organisation: Gnome
- Worked on a project for GNOME organization (Disable USB on lockscreen) that had the purpose to block unknown USB devices when the user may not be at his laptop (screen is locked) or when he does not want them to be allowed to connect.

Teaching Assistant   **University Politehnica of Bucharest**   **October 2014 – Present**
- Courses: Introduction to Computer Programming (2014 - present), Data Structures (2016 - 2017), Operating Systems (2016 - present).
- Responsible for creating materials for the assignments, laboratories and teaching at the laboratory.
- Respnsible with organizing the Computer Programming team.

EDUCATION

Bucharest, Romania   **University Politehnica of Bucharest**   **October 2013 - Present**
- First year master student at Computer Science and Engineering Department, specialization Artificial Intelligence
- Cumulative undergraduate GPA: 3.79
- Relevant courses: Data Structures, Operating Systems, Probability Theory, Algorithms Analysis and Design, Object Oriented Programming, Network Protocols, Local Networks, Operating Systems I, Formal Languages and Automata, Compilers, Artificial Intelligence, Introduction to Cryptology, Machine Learning, Operating Systems II.

TECHNICAL EXPERIENCE

Projects
- **Spooky Author Identification** (2018). Kaggle competition where a piece of text was given and the participants had to identify with what probability the text was coming from a given author. (used NLTK, ScikitLearn, Python)
- **Tailor measurement using SFM** (2017). Together with 3 collegues we tried to implement an automatic tailor measurement mechanism(used OpenSfm, Python)
- **LCPL Language** (2016). Designed different stages of the compilation process (lexical and syntax analysis, code generation, backend implementation) for a custom made language for the Compilers course. (in LLVM)
- **Operating Systems** (2016). For the assignments, I have developed: a mini-shell, a virtual memory simulator, a thread scheduler simulator and an asynchronous web server. (in C)
- **Routing Protcol Simulator** (March 2015). Simulate a link-state routing protocol by analyzing the routers from the network and deciding which is the best possible next hop for a packet to reach destination B from source A. (in C)

EXTRACURICCULAR ACTIVITIES

- **LPIC-101 instructor** (2015-2016) - Responsible for creating and reviewing exercises and helping the enrolled students learn for the LPIC-101/102 examination.
- **Extracurricular Courses** - "Machine Learning", Andrew Ng - Coursera (2014, Overall score: 100%), "Introduction to Data Science", Bill Howe – Coursera (2014, Overall score: 85.3%), "R programming", Roger D. Peng, Jeff Leek, Brian Caffo – Coursera (2014, Overall score: 93.6%), "Deep Learning", Andrew Ng - Coursera (2018, Overall score: 100%).

Languages and Technologies
- C (good); C++ (good); Python (good); Bash (good); Java (average); Matlab (average); MySQL (basic); R (basic);