

Venelin Valkov

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Web Page : <https://curiously.com>

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EXPERIENCE

- **myPoli**

Co-creator

Plovdiv, Bulgaria

Mar 2016 - Present

- **Mobile & Web apps:** Design & implement Android, iOS and Web app with a team of 4 (ReactJS, React Native, Firebase, JavaScript, Kotlin, Java, NodeJS)
- **Task scheduling:** Probabilistic scheduling model for choosing time & date for a ToDo item (Python, Kotlin)
- **NLU:** Model for extracting date, time, duration and recurrence patterns from text (Python, Java)
- **Membership System:** Payment verification and checking system that allows membership access on different platforms - Android, iOS and Web (PayPal, Firebase, JavaScript, NodeJS, Koa, Serverless, AWS lambda)

- **SkyScanner**

Machine Learning Engineer

Sofia, Bulgaria

Sep 2015 - Jan 2016

- **ML Framework:** Develop an end-to-end framework for training, testing and deployment of Machine Learning models with a team of 8 developers (Python, NumPy, scikit-learn)
- **Data Collection & Preprocessing:** Extract & preprocess data from Spark datastores using AWS instances (Python, PySpark queries, Pandas, NumPy, Matplotlib)
- **Modeling:** Develop and implement Neural Network & Random Forest models to predict fare prices (Python, scikit-learn, Pandas, NumPy and Keras)

- **MasConsult**

Java EE/Android Developer

Plovdiv, Bulgaria

Summer 2012 and 2013

- **Game Development:** Porting of 20 ObjC games to Java with a team of 4 developers (Cocos2d, AndEngine)
- **Domain Register:** Backend development of domain registration service using TDD & Scrum with a team of 4 developers. (Java EE, JUnit, Tomcat)

- **Viscomp**

Junior PHP Developer

Plovdiv, Bulgaria

Jan 2012 - Dec 2013

- **Web Crawler Tool:** Design and development of Web crawling tool (extracting personal and business contact/details information) with a team of 3 developers (PHP, Apache, Zend Framework)

PROJECTS

- **(Book) Deep Learning for JavaScript Hackers:** Build Machine Learning models in JavaScript with TensorFlow
- **(Book) Hands-On Machine Learning from Scratch:** Implement Machine Learning models from scratch in Python
- **RetroSelfie:** Co-creator of photo editing app with 50,000,000+ downloads worldwide (Java, Kotlin)
- **Virtus:** Strength training coach powered by AI (React Native, ReactJS, TensorFlow.js, Firebase)
- **My Journey:** Journaling app that analyzes what makes you happy (React Native, WatermelonDB, Victory Native)

EDUCATION

- **PhD student (Mathematical Modeling)**

Plovdiv University

Plovdiv, Bulgaria

Mar. 2016 -

- **Master of Science in Computer Science**

Plovdiv University

Plovdiv, Bulgaria

Oct. 2012 - Jul. 2013

- **Bachelor of Science in Computer Science**

Plovdiv University

Plovdiv, Bulgaria

Oct. 2009 - Jul. 2012

INTERESTS

Powerlifting, Mountain Biking, Hiking, Behavioural economics, Personal Productivity, Entrepreneurship, Competitive Programming, The Office (TV Series), Neuroscience