

# MARCO DOMENICO TUNDO

University of Ottawa  
Master Engineer  
27 years old

I am interested in many disciplines, including, but not limited to: artificial intelligence, expert machines, advanced motion dynamics, virtual/augmented reality, cloud-based infrastructure, statistical mathematics, and applied biomechanical applications. Willing to relocate.

## Education

Masters of Applied Science (M.A.Sc.)  
Biomedical Mechanical Engineering, 2014

**University of Ottawa**  
Ottawa, Canada

Bachelors of Applied Science (B.A.Sc.)  
Biomedical Mechanical Engineering, 2011

**University of Ottawa**  
Ottawa, Canada

## Employment Experience

Co-Founder & Lead Engineer

**Unannounced Start-Up**

May 2016 – Present

Ottawa, Canada

- Full stack development on Amazon Web Services, MEAN architecture (MongoDB, Express, AngularJS, Node.js),
- Product management, analytics, business operations and growth strategizing.

Co-Founder & Lead Engineer

**Bumpn, Inc.**

June 2014 – Present

Ottawa, Canada

- Product lead and full stack engineer for a modern social networking application,
- Designer of an asynchronous cloud API, with user authentication, uploads, live chat, geolocation,
- Manager of sprints in an agile environment, adapting to marketing and business requirements,
- Leader of a small team of designers and engineers in iOS, Android, and AWS cloud computing.

Engineering Researcher

Rehabilitation Engineering

**The Ottawa Hospital Rehabilitation Centre**

May 2012 – May 2014

General Campus

- Designer of algorithms and real-time biomechanical software in predicting human mobility,
- Engineer in signal processing and evaluation using consumer sensors on a mobile platform,
- Evaluator of sensitivity, specificity and efficiency assessments with statistical structures.

Teaching Advisor

Mechanical & Biomedical Engineering

**University of Ottawa**

September 2011 – May 2014

Ottawa, Canada

- Advisor for 'Computer-Aided Design and Manufacturing (CAD/CAM)' for undergraduate and graduate level students, providing help modelling in SolidWorks, programming in C/MATLAB, parametric design, design optimization and system integration,
- Assistant for 'Introduction to Mechanical Engineering' for undergraduate students, teaching SolidWorks, drafting, sketching, assembly drawings, and solid modeling.

## Awards & Recognition

- Developed a Top 5 app in the social networking category in Eastern Europe,
- Awarded 1<sup>st</sup> place with a scholarship in the Strat24 Sustainability Competition for the Telfer School of Management, in co-operation with SolPowered Energy Corp, 2011,
- Awarded 3<sup>rd</sup> among PhD students, Mechanical Engineering Graduate Poster Competition, 2014.
- Publication in IEEE, Medical Measurements and Applications Proceedings (MeMeA), 2013,
- Achieved many perfect grades, including Computer-Aided Design & Manufacturing (CAD/CAM) for the design of a lower arm prosthesis powered by braided pneumatic muscles, 2010,
- Designed, scripted, and developed an award winning top-down shooter game with a 5 hour campaign and custom graphics at the age of 16.

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