

# Giovanna Thron

## EDUCATION

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### **University of Toronto**

#### **M.Sc. in Computer Science**

Toronto, Ontario

Sept 2008 – March 2010

- Research in theoretical computer science and graph theory under the supervision of Michael Molloy.
- Publications: *The adaptable choosability number grows with the choosability number*, Discrete Math (2011); *An asymptotically tight bound on the adaptable chromatic number* (masters paper), J. Graph Theory (2012)
- Presented results at the Ontario Combinatorics Workshop and the French Combinatorial Conference.
- GPA 3.89. Courses included graph theory, complexity theory, distributed computing, climate change informatics.

### **Swarthmore College**

#### **B.A. in Mathematics and Computer Science**

Swarthmore, Pennsylvania

Sept 2003 – June 2007

- Graduated with High Honors; double major in mathematics and computer science.
- GPA 3.65. Courses included statistics, algorithms, operating systems, artificial intelligence, natural language processing.

### **Budapest Semesters in Mathematics**

Budapest, Hungary. Jan 2006 – May 2006

- Courses included topology, combinatorics, graph theory, number theory, theory of computing.

## WORK EXPERIENCE

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### **Facebook**

#### **Software Engineer**

Menlo Park, California

July 2012 – present

- Work on the growth team, designing, implementing and analyzing experiments designed to increase user engagement.
- As a member of the registration and new user experience task force, implement new features designed to make Facebook more accessible and intuitive for new users, especially those with limited Internet connectivity.

### **University of Toronto**

#### **Lecturer in Computer Science**

Toronto, Ontario

Summer 2010; Winter 2011; Sept 2011 – June 2012

- Taught first year Python programming and a theoretical computer science course; lectures sessions ranged from 30 to 200 students.
- Prepared and conducted lecture; held office hours; designed assignments, labs and tests; maintained course website.
- Wrote scripts to handle submissions and marks; supervised teaching assistants, giving guidelines for marking and labs.

### **Google**

#### **Software Engineer Intern**

Mountain View, California

May – Aug 2011

- Worked on Mobile Ads, writing code primarily in Python and Java.
- Designed User Interface Automation for testing Mobile Ads using Android Native Driver.

### **Arany János and Felsővárosi Primary Schools**

#### **English teacher**

Gyöngyös, Hungary

Sept 2007 – June 2008

- Taught English to Hungarian students in grades 4<sup>th</sup>-8<sup>th</sup>; designed lesson plans; judged English competitions.

### **Louisiana State University**

#### **Math REU (Research Experience for Undergraduates) participant**

Baton Rouge LA

June – July 2006

- Worked with Professor Neal Stoltzfus and several other students researching knot theory.
- Wrote paper entitled *Recursion of the Jones Polynomial on Two-Bridge Knots* (was awarded Heinrich W. Brinkmann Prize at Swarthmore College in May 2007 for best essay on a mathematical topic).
- Presented results at the Young Mathematicians Conference and the Joint Mathematics Meetings.

## ACTIVITIES

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### **Hot Yam!**

#### **Meal coordinator / Treasurer**

Toronto, Ontario

March 2009 – June 2012

- Hot Yam! is a volunteer-run weekly mostly local & organic, vegan lunch at the University of Toronto.
- As meal coordinator: Coordinated volunteers and weekly meal leaders; ensured smooth running.
- As treasurer: Designed budget; managed finances; updated group on financial situation.
- As planning committee member: Organized a conference for student run cafes and helped plan the opening of a new full service five day a week cafe.

## INTERESTS

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Passionate about sustainability, local food, international travel, baking (won University of Toronto best brownie contest), and making chocolate (worked at Byrne & Carlson in Maine and ChocoSol in Toronto).

## COMPUTER SKILLS

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Proficient in Python, PHP, Hive, Java, C, C++, Scheme, SQL, HTML, LaTeX.