

# Alisa Tkaczyk

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ON

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## OBJECTIVE

Energetic Computer Scientist with progressive front-end experience. Looking to secure a position as a Full Stack Developer that will leverage my experience in fast paced agile teams, develop knowledge of HCI and AI, and broaden experience using backend tools.

## EDUCATION

### **Bachelor of Computer Science Honours**

September 2012 - December 2016

Minor in Psychology

*Carleton University, Ottawa, ON*

## EXPERIENCE

### **Software Developer Consultant**

January 2017 - Present

*Tata Consultancy Services, Toronto, ON*

- Used agile development methodologies on a cross functional team to deploy high impact, high visibility marketing campaigns for one of the top five financial institutions public site.
- Proposed and developed new onboarding application in React to streamline the onboarding process and reduce unnecessary associated costs.
- Handled development and deployment plans across three codebases as acting lead developer for multiple marketing campaigns.
- Assisted in the migration and redesign of over 200 pages from a legacy CMS to a new component based framework.

### **Video Game Programming Instructor**

May 2015 - November 2016

*Real Programming for Kids, Ottawa, ON*

- Educated children between the ages of 7 and 17 on fundamental programming concepts in languages such as Visual Basic, Java, Alice 2.0, and C# to develop usable video game projects.
- Evaluated report cards and communicated progress to management, parents, and children on a daily basis.

## TECHNICAL SKILLS

Proficient in:

- JavaScript (ES6), JQuery
- HTML5, CSS3
- CSS preprocessors (Sass)
- Version control, Git
- API design and use
- Agile methodologies
- Usability testing, HCI evaluations and research

Working knowledge in:

- React, Redux
- SQL, DBMS schemas
- Java, Python, C++, C#
- Applied AI algorithms
- Design patterns
- Functional programming (Scheme, Racket)

## CO-CURRICULAR & VOLUNTEER ACTIVITIES

- Lead Basketball Coach, Basketball World Toronto, May 2017 - Present
- Participant, Capital One Hackathon, November 2017
- Mentor, Ladies Learning Code, October 2016 - Present
- Participant, Microsoft Coding Competition, October 2016
- Mentor, Girls Learning Code (Canada Learning Code), March 2016
- Volunteer, Internet of Things, September 2016
- Volunteer, Carleton Computer Science Society, May 2015 - April 2016

## PUBLICATION

- Stojmenovic, M., Oyelowo, T., **Tkaczyk, A.**, & Biddle, R. (2018). Building Website Certificate Mental Models. *Persuasive Technology, April '18, Waterloo, Canada. Lecture Notes in Computer Science, vol 10809. Springer, Cham, 242-254.*

Designed and evaluated an interactive interface to build mental models of browser security and related computer security concepts for the ordinary user. Inclusive of development, design, modification and testing of mockups and prototypes over multiple iterations. Achieved using JavaScript vector graphic library Raphael.js, usability inspections, HCI concepts and multiple tested design iterations.