

# JIRI ROZNOVJAK

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## EDUCATION

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**Clark University** *expected December 2017*  
Bachelor's in Computer Science & Mathematics  
GPA: 3.96/4.0

**Coursework**  
Algorithms, Analysis of Programming Languages, Data Structures, Automata Theory, Theory of Computation, Probability and Statistics

## EXPERIENCE

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**Boston University**  
*Research Assistant*

May 2015 - July 2015  
*Boston, MA*

- Created a mathematical model to analyze and predict mouse movements.
- Contributed to a grant proposal for the National Science Foundation.
- Paper *Predictive Link Following for Accessible Web Browsing* was accepted to the ASSETS conference.

**Academic Technology Services, Clark University**  
*Academic Technology Intern*

September 2015 - Present  
*Clark University, Worcester, MA*

- Managing University's learning platform Moodle.
- Working on a PHP and JavaScript codebase, using Git with Bitbucket.

**Graduate School of Management, Clark University**  
*Undergraduate Assistant*

June 2015 - August 2015  
*Clark University, Worcester, MA*

- Wrote programs to perform data analysis on an HPC cluster.
- Analysed social networks using MATLAB and Python.

**Personal Projects & Hackathons**

December 2013 - Present

- Using Python and a computing cluster analyzed the Wikipedia dataset and the underlying graph structure.
- Created a "false 3D" computer vision program using eye tracking with OpenCV.
- Programmed a data visualization framework to process and visualize data from CIA World Factbook using Python and matplotlib.
- Created numerous educational physics demonstrations using three.js, processing.js and paper.js.

**Clark University, Department of Computer Science**  
*Teaching Assistant*

August 2015 - Present  
*Clark University, Worcester, MA*

- Teaching Assistant for CS120 - Introduction to Computer Science.
- Teaching basic programming concepts using Java.

## TECHNICAL SKILLS

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**Programming Languages**  
**Databases**  
**Technologies, Tools**

Python, Java, JavaScript, C++, MATLAB, LaTeX  
MySQL, SQLite, MongoDB  
Git, Vim, Unit Testing, OpenCV, MapReduce