# JIRI ROZNOVJAK

github.com/jirkaroz ⋄ linkedin.com/in/jroznovjak
(508).667.6394 ⋄ jroznovjak@clarku.edu

## EDUCATION

**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

**Boston University**                                                   May 2015 - July 2015
*Research Assistant*                                                           *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* accepted to the **ASSETS conference**.

**Clark University, Graduate School of Management**          June 2015 - August 2015
*Undergraduate Assistant*                                     *Clark University, Worcester, MA*

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

**Projects & Hackathons**                                        December 2013 - Present

· Collaborating on a **mobile/web app** that **helps humanitarian organizations** with coordination and distribution of humanitarian aid to refugees. Built the back-end with **node.js** and **MySQL**
· Using Python and a computing cluster performed an **analysis and visualization of Wikipedia** articles and the underlying graph structure.
· Created a "false 3D" **computer vision** program using eye tracking with **Python** and **OpenCV**.
· Programmed a **data visualization framework** to process and visualize data from CIA World Factbook using Python and matplotlib.
· Created several **educational physics demonstrations** using **three.js**, **processing.js** and **paper.js**.

**Clark University, Department of Computer Science**          August 2015 - Present
*Teaching Assistant*                                          *Clark University, Worcester, MA*

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

## TECHNICAL SKILLS

| | |
|---|---|
| **Progamming Languages** | Python, Java, JavaScript, C, MATLAB, LaTeX |
| **Databases** | MySQL, SQLite, MongoDB |
| **Technologies, Tools** | Git, Unit Testing, OpenCV, Linux |