

JIRI ROZNOVJAK

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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, Statistics

EXPERIENCE

Projects & Hackathons

December 2013 - Present

- Using **Python** and a computing cluster performed an **analysis** and visualization of **Wikipedia articles** and the underlying graph structure.
- 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**
- Created a "false 3D" **computer vision** program using eye tracking with **Python** and **OpenCV**.
- Created several **educational physics demonstrations** using **three.js**, **processing.js** and **paper.js**.

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* accepted to the ASSETS conference.

Clark University, Graduate School of Management

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**.

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.

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

Programming Languages

Python, Java, JavaScript, C, MATLAB, LaTeX

Databases

MySQL, SQLite, MongoDB

Technologies, Tools

Git, Unit Testing, OpenCV, Linux