**Richard Ramrati**

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# Summer Internship EXPERIENCE

## Web DEVELOPER INTERN

## City Government of Geneva, May 2017 – August 2017

* Developed 30+ pages of website using JavaScript, HTML/CSS and jQuery with a modern aesthetic and intuitive navigation. Led design and testing of site in all phases, from initial design after consulting government representatives through coding, testing, and integration.
* Reduced average page load time by writing secure SQL stored procedures and restructuring database schema. Increased task completion rate by restructuring 200+ page site map.

## Software Developer

## Physics Department at Hobart & William Smith, August 2017

* Developed reusable, scalable MATLAB tool to conduct quantitative analysis on complex datasets and render visual models.

## Research ASSISTANT

## Mathematics Department at Hobart & William Smith, May 2016 – August 2016

* Implemented several heuristics in a genetic algorithm written in C++, improving accuracy and runtime of model fitting parameters for a joint research project with Cornell University.
* Developed MATLAB program to explore, interpret, and analyze cardiac cell electrophysiology protocol data sets for patterns of interest and opportunities for incorporating data driven machine intelligence to improve genetic algorithm.

## Administrative ASSISTANT

## B&H Wholesale Fencing, May 2015 – August 2015

* Participated in cross functional projects across various teams to conduct in-depth quantitative analyses guiding strategic decisions; building and maintaining Excel models i.e. regression analysis, ANOVA, descriptive statistics.
* Forecast client demand through research on current sales and industry trends in weekly reports.

# Work EXPERIENCE

## Computer science teaching assistant

## Computer Science Department at Hobart & William Smith, August 2016 – May 2018

* Tutor for 40+ students learning Java; mentored students weekly in 3-hour labs.
* Reinforcing curriculum goals by creating and delivering clear presentations and programming exercises.

## HelpDesk Support

## IT Services at Hobart & William Smith, August 2015 – May 2018

* Rapidly diagnosed technical issues in person, over phone or e-mail, advising solutions and researching as needed or providing referrals to external services if applicable.

# Extracurricular EXPERIENCe & Projects

## STEM Scholars peer mentor

## Office of Diversity at Hobart & William Smith, August 2017 – May 2018

* Consulted administration to outline, manage and prioritize program operations and objectives. Defined metrics to assess impact of program; pivoting goals as needed to address emerging needs.

## Workshop Designer and leader

## Hobart & William Smith, August 2017 – May 2018

* Piloted and facilitated several workshops for HWS students and startup accelerator participants based on Stanford University’s Design Thinking model, a user focused framework for problem solving.

## Budget Allocation COmmittee

## Hobart & William Smith, August 2017 – May 2018

* Allocated student organizations funding, from $330,000 student endowment, each academic semester. Updated committee’s policies and guidelines.

## Economics Student Representative

## Hobart & William Smith, August 2017 – May 2018

* Elected by department to attend weekly faculty meetings as a communication channel between staff and students. Collaborated with sourcing team to identify, engage, and evaluate teaching candidates.

# Education

## Hobart & William Smith 2018 Recent GPA: 3.9 Overall GPA: 3.5

## Bachelor of Science in Computer Science, Bachelor of Arts in Economics

**Coursework**: Operating Systems, Artificial Intelligence, Compilers, Database Theory & Practice, Software Development, Data Structures & Algorithms, Econometrics, Statistics, Political Economy, Wealth Distribution, Investments, Macroeconomics, Microeconomics, Economics of Health & Medical Care

# SkillS

## Familiar with: java, C++, HTML/CSS, Python, SQL, Matlab, JAVASCRIPT, PHP, Illustrator, Photoshop, jquery, MS Office, Git, SVN, LINUX, WEB SERVICES, Wordpress, DATABASES