

## HARNEET KAUR

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### EDUCATION

Hunter College, New York, NY

Computer Science, BA - 2019

### PROFESSIONAL EXPERIENCE

HEARST Digital Media, New York City, NY

**Junior QA Analyst**  
**QA Analyst Intern**

December 2017 – January 2019  
September 2017 – December 2017

- Performed testing on Desktop, iOS App and Mobile Web.
- Testing performed in an Agile (Scrum) environment.
- Utilized test management tool like TestRail integrated with JIRA to develop test cases, test scripts, executing the scripts and tracking the defects, logging the defects and reporting the defect bug.
- Validated JSON content feed for partners such as Amazon and MSN.
- Worked closely with Development team along with Product to make sure deliverables were completed on time.
- Demoed new functionality to stakeholders.
- Tested Video Player functionality which included testing pre-roll and mid-roll ads across multiple devices which included Desktop, iOS, and Android devices.
- Ensured video player functionality such as sticky player, subtitles/closed captioning, and video controllers worked as expected.
- Ensured proper tracking/event firing occurred to verify user engagement with video player.

REVAL, New York City, NY

**QA Intern**

June 2016 – September 2016

- Managed requirements and tasks through JIRA.
- Logged and tracked defects through JIRA.
- Tested the application under Scrum (Agile) Methodology
- Logged defects reported by the Client Service and Professional Services team and updates clients regarding workaround until defects are resolved.
- Responsible for photocopying, refilling, and organizing portfolios.
- Attended and participated in daily standup, sprint planning, backlog grooming, and retrospective meetings.
- Shadowed a QA Engineer in creating test plans, test scenarios, and test cases based on Business Requirements Document and Functional Specification document for System Integrated Testing.
- Extracted financial reports across multiple UI environments using Excel Compare to analyze and validate for zero impact in the Production environment.

### PROJECTS

**FilterX** - <https://filterx.herokuapp.com>

I have worked on a website with a team that applies filters on images and allows users to save it. My role required me to devise website designs and relay it to the team as well as design and implement the filter code which was done in Python. I created 15 filters using PIL modules as well as self-created algorithms to modify images. This project strengthened my collaborative skills and technology based communication and organization. We used Trello to organize tasks, task status, due dates, and provide resource links for those tasks. For retrospectives, we used IdeaBoardz to reflect on progress that had been made thus far. The project exposed me to frameworks such as Flask and Django, PIL (Python Imaging Library) and MatLab to manipulate images, as well as tools like CircleCI for continuous integration. HTML, CSS, and Javascript were used to design, style, and program website behavior. We used SQLite for storing images in a gallery for users to access after login. AJAX was also used for dynamically loading pages. We used Chrome developer tools and pytest to test aspects of the website. This project was done for a class that focused on Agile web development and methodologies.

### TECHNICAL SKILLS

**Languages:** (Proficient in): C++, C (Familiarity with): Java, Python, JavaScript, HTML, CSS

**Operating Systems:** Mac OS X, iOS, LINUX (Ubuntu, Fedora), Windows

**Databases:** Oracle DB (MySQL), PostgreSQL

**Frameworks:** Flask, Django, PIL, OpenCV

**Tools:** Jira, Git, Slack, Trello, Terminal (Unix Commands), Xcode, Sublime Text, Visual Studios, Wireshark, VirtualBox

**Proficient in Microsoft Office Word, Excel, PowerPoint, Outlook & Google Docs, Slides, and Sites**

## COMPUTER SCIENCE COURSES TAKEN

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**Software Analysis and Design I & II** (OOP using C++, design and analysis of algorithms, static and dynamic storage methods)  
**Discrete Structures** (Sets, relations, cardinality, propositional calculus, discrete functions, truth tables, induction, combinatorics)

**Computer Architecture I, II, & III** (Combinational circuits and minimization, sequential circuits, Organization of computer systems and design of system elements, MIPS, X86, Memory Hierarchy, Memory systems and Architectures)

**Computer Theory** (Recursion, regular sets, regular expressions, finite automata, context-free grammars, pushdown automata)

**Operating Systems** (Memory Management, multiprocessing/multiprogramming systems)

**Symbolic Logic** (Sentential derivations, interpretations, symbolizations involving operator symbols, identity, definite descriptions, predicate derivations through logic of identity and definite descriptions)

**Computer Forensics** (Disk Forensics, file systems, cryptography, steganography, networking, communication protocols)

**Relational Databases and SQL Programming**

**Agile Web Development** (Mock Agile environment, website creation, FLASK, python, openCV, AJAX, CI, design)

**Relevant Mathematics Courses Taken: Calculus 1 & 2, Multivariable Calculus, Matrix Algebra, and Applied Statistics**

## EXTRACURRICULAR ACTIVITIES & SKILLS

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**Personal Interests:** Mountain climbing, Gaming, Reading books, Cooking, Mentoring, Traveling and researching various cultures, Pinterest, Learning languages

**Foreign Languages:**

**Fluent :** English and Punjabi

**Proficient :** Hindi and Urdu

**Intermediate :** Japanese

**Elementary :** Spanish