

# Sample Resumes

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**OBJECTIVE:**

An internship or research opportunity that will allow me to utilize my problem solving skills and attention to detail to further develop my abilities in the field of computer science.

**EDUCATION:**

**Carnegie Mellon University**, Pittsburgh PA  
Bachelor of Science in Computer Science, May 2018  
**Walnut Hills High School**, Cincinnati, OH  
Diploma with Honors, June 2014     GPA 4.0/4.0

**COURSEWORK:**

Analysis I and II; Introduction to Programming; Concepts of Mathematics; Principles of Imperative Programming, Great Theoretical Ideas in Computer Science

**PROJECT:**

Programming Homework: An Adventure Game (Fall 2014)  
\*Created a text-based adventure game with a graphical interface in Python.

**EXPERIENCE:**

\*Intern for Dr. Richard M. Males, Cincinnati OH (November 2013 -January 2014):  
Assisted in the reformatting of Excel files for data analysis of expert reviews of flood rates and how they impact different building structures.  
\*Tutor for middle school students with East End Youth Projects (Fall 2014-Present)

**TECHNICAL SKILLS:**

Proficient in Python.

**ACTIVITIES:**

CMU KGB, Fall 2014-Present.  
Varsity High School Cross Country, Fall 2012-Fall 2013 (Team Captain, 2013).  
Varsity High School Track, Spring 2012-Spring 2014  
Junior Engineering Technical Society, 2012-2014.

**HONORS:**

Carnegie Scholarship, Fall 2014-Present.  
National Merit Scholar, 2014  
National AP Scholar Award, 2004  
Cum Laude Society, 2014

## EDUCATION

CARNEGIE MELLON  
UNIVERSITY

B.S. IN COMPUTER SCIENCE

Pittsburgh, PA | Expected May 2018

## SKILLS

Java • Python • C • SML • HTML5 •  
CSS • Django • Android • L<sup>A</sup>T<sub>E</sub>X • Git  
Data structures • Software design  
patterns

## COURSEWORK

Parallel and Sequential Data  
Structures and Algorithms  
Introduction to Computer Systems  
Software System Construction  
Great Theoretical Ideas in Computer  
Science  
Web Application Development  
Principles of Imperative  
Computation  
Principles of Functional  
Programming

## LINKS

Github://maytrix

LinkedIn:// maytrix

## EXPERIENCE

CARNEGIE MELLON UNIVERSITY, HUMAN-COMPUTER  
INTERACTION INSTITUTE | RESEARCH ASSISTANT

February 2016 - Present | Pittsburgh, PA

- Make Android and web apps for NavCog, a tool that uses sensors, computer vision, and crowdsourcing to help blind people move in spaces. Target crowdsourcing effort to create 3-D models of buildings and maintain sensors.
- June 2015 - August 2015 | Pittsburgh, PA
- Led 3 person team developing mobile and wear apps for Chorus, a web-based crowdsourcing conversational assistant. Has text to speech and speech to text capabilities. Uses Yelp Search and Yahoo APIs.
  - Made a natural language processor tool to be added to Chorus web application.

BUSINESS GOLF ACADEMY | SOCIAL MEDIA MANAGER

May 2015 – Present | Pittsburgh, PA

- Manage the social media presence for BGA, which encourages women to use golf to advance their careers. Tripled Twitter followers

## PROJECTS

UMBRELLA | LEAD ANDROID DEVELOPER, GIT REPO MANAGER

February 2016

- App uses crowdsourcing to fight gender-based violence and the bystander effect. Bluetooth-based messaging where users anonymously post situation.

BUDGIE | LEAD ANDROID DEVELOPER, GIT REPO MANAGER

September 2015

- App to manage and categorize expenses. Implements Microsoft's Oxford Optical Character Recognition API. Pie charts show spending distribution.

## ACTIVITIES

WOMEN'S VARSITY GOLF TEAM | CAPTAIN (2014-PRESENT)

August 2014 – Present | Pittsburgh, PA

- Won Thomas B. Craig & LaVerne Craig Tartan Award 2015-2016 (Most Valuable Player), University Athletic Association All Association First Team, Eastern College Athletic Conference Rookie of the Month Division III, University Athletic Association Women's Golf Athlete of the Week (3 times)
- Student Athlete Advisory Council | September 2014 - May 2015

WOMEN@SCS | MENTOR

September 2014 – Present | Pittsburgh, PA

- "Big sister" in the Big Sister/Little Sister mentoring program.

THE FIRST TEE OF PITTSBURGH | VOLUNTEER GOLF  
INSTRUCTOR

September 2014 – Present | Pittsburgh, PA

- Teach golf and life skills to 20 underprivileged children ages 8-16 years

## **OBJECTIVE**

To obtain a professional position in the consulting industry utilizing my relevant experience, technical expertise, and problem solving skills.

## **EDUCATION**

*Carnegie Mellon University*, Pittsburgh, PA

Bachelor of Science in Computer Science, May 2016      GPA: 3.0

*Selected Coursework:* Data Structures (Java), Web Applications, Database Applications, Distributed Systems, Computer Systems (C and Unix), Great Theoretical Ideas in Computer Science

## **SKILLS**

*Coding:* C/C++, Java, x86 assembly, C#, PHP, Javascript, HTML, CSS, SML, Ruby, Perl

*Technologies/Environment:* Windows, Win32 API/GUI, Linux, MySQL, OpenGL, ASP.NET

## **EXPERIENCE**

*Artemia Health Systems*, Cleveland, Ohio

Student Intern (Summer 2015)

- Created new functionality for state-level prescription drug information system
- Worked with end users to determine their information needs
- Wrote application to create custom surveys
- Migrated existing website from SQL Membership to ASP.NET

*Carnegie Mellon University Computing Services Help Center*, Pittsburgh, PA

Student Consultant (September 2013 – Present)

- Resolved issues regarding networking (wired, wireless, and dialup), and email problems for Carnegie Mellon University users
- Answered questions about software supported by the university, such as MS Office
- Communicated with customers through email, telephone, and face to face

## **PROJECTS**

*Vintage Foundation* (Fall 2014) – a consulting project in a nonprofit organization

- Advised on new technologies to help further the organizational mission
- Instructed program director on building a user-friendly website and relational database
- Assessed systemic problems and suggested possible solutions

*News Delivery System* (Spring 2014) - online information gathering/presentation system

- Integrated old code with new for web application delivering custom tailored web news
- Coded in Java using Model-View-Controller architecture

*Ebarter* (Fall 2013) - an online bartering system running on Apache Tomcat

- Applied software engineering principles along with J2SE Web Development Kit
- Led team in coding phase of development

## Work Experience

**MHCI Capstone with NASA**--Design Lead, Jan – Aug 2014 Collaborated with a team of masters students to design for NASA engineers and the International Space Station, designed and developed a mobile application and RFID tracking system.

**CMU School of Design**--Teaching Assistant, Aug – Dec 2013 Aided two professors in teaching 41 first-year design students the basics of design principles. Guided the students, answered questions, attended their class, and helped document their work.

**Apple**--Visual Interface Design Intern, Summer 2013  
Created usable interactions. Designed user flows. Worked on new features with the iTunes Apps Design team. Ideated new interfaces.

**Penguin Group (USA)**--Design/Art Intern, June – Aug 2012 Designed e-book covers. Assisted cover designers with type- setting on book jackets. Proposed full book covers to art director.

**Branding Brand**—UX Designer, Fall 2014  
Designed mobile sites and apps for major e-commerce brands. Analyzed client sites and provided recommendations to improve. Devised and implemented A/B tests and measured results. Oversaw design of new products from conception to launch

## Involvement

CMU Spring Carnival Head of Marketing, 2013 – April 2014 CMU School of Drama's Playground Designer, 2013, 2014 Counterpoint A Cappella President, Jan 2011 – Nov 2013 CMU CMU Orientation Leader, Aug 2011 – Aug 2013

## Education

**Carnegie Mellon University**  
Masters of Human-Computer Interaction, Dec. 2014

**Carnegie Mellon University**  
BFA in Communication Design, May 2014  
Double major in HCI  
3.76/4.0 GPA, with highest honors

## Recognition

Phi Kappa Phi Honor Society, Sept 2013  
Andrew Carnegie Society Scholar, Sept 2013  
School of Design Merit Award, May 2012  
Carnegie Mellon Dean's List 6/8 semesters

## Skills

**User Research:**  
Contextual Design  
Think Aloud  
Persona Design  
Storyboarding  
Heuristic Evaluation

**Design:**  
Sketch  
Photoshop  
Illustrator  
InDesign  
AfterEffects

**Prototyping:**  
HTML/CSS  
Javascript  
MATLAB  
Arduino

## **EDUCATION**

### **Carnegie Mellon University, Pittsburgh, PA**

*Master of Science, Computer Science, December 2015*

Selected Coursework: Introduction to Machine Learning (10-601, Fall 2014), Distributed Systems (15-440/640, Fall 2014), Algorithm Design and Analysis (15-451/651, Fall 2014), Web Apps Development (15-637, Spring 2015), Machine Learning with Large Datasets (10-605, Spring 2015), Graduate Artificial Intelligence (15-780, Spring 2015)

### **Birla Institute of Technology and Science, Pilani, India**

*Bachelor of Engineering (Hons.), Computer Science (Minor: M.Sc. Economics), July 2014*

## **SKILLS**

*Programming/Scripting Languages:* (Proficient) Java; (Familiar) Python, C, SQL, Javascript, MATLAB, Perl

*Frameworks and tools:* Hadoop, Django, DKPro for NLP, Maven, Git

## **EXPERIENCE**

### **Software Engineering Intern**

*Yahoo! Inc., Sunnyvale, CA, May - August, 2015*

- Interned with the user data team, which is part of cloud services at Yahoo!

### **Research Intern**

*Ubiquitous Knowledge Processing Lab, TU Darmstadt, Germany, January - June, 2014*

- Developed an application (in Java) using the DKPro library to automatically solve multiple choice reading comprehension questions. Using text similarity and textual entailment measures, it obtained the 2<sup>nd</sup> best score in the CLEF Entrance Exams competition.

### **Research Student**

*Computer Engineering and Networks Laboratory, ETH Zurich, Switzerland, July - December, 2013*

- Developed an application (in Python) to use a tree-based learning algorithm to model the deadline hit and miss patterns of periodic real-time tasks. The algorithm used formal verification techniques to generate a regular language-based guarantee to predict future deadline hits and misses.

### **Developer (Google Summer of Code)**

*Student Developer for National Resource for Network Biology (NRNB), Summer 2012*

- Built an app (in Java) for Cytoscape, an open-source software for complex network visualization. The app helped users to visually analyze and modify molecular interaction networks.

## **PROJECTS**

### **MapReduce Engine**

*Carnegie Mellon University, Fall 2014*

- Implemented a Hadoop-like MapReduce facility, with master and worker nodes for map-reduce operations over large datasets, with a distributed file system, and fault tolerance to address datanode failures.

### **Object Recognition Using CIFAR-10 Dataset**

*Carnegie Mellon University, Fall 2014*

- As part of an in-class Kaggle competition, several approaches were tried to train a model using 4000 images for the CIFAR-10 dataset. With GIST descriptors and a Kernelized (RBF) SVM, a test accuracy of 61% was obtained on a dataset consisting of 15000 images.

### **Intelligent Indoor Emergency Response System**

*Carnegie Mellon University, Spring 2015*

- Developed a priority-based auctioning algorithm for task allocation in a multi-agent environment. Using a modified A\* algorithm, tasks were prioritized based on proximity to the location of the fire resulting in an efficient evacuation.