BECKA GELETO

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GitHub: github.com/beckaberhanu **Portfolio:** beckageleto.dev

Education

Macalester College, St. Paul, MN.	*B.A Expected May 2022*

Major: Computer Science   *Cumulative GPA*: 3.68/4.00

Honors & Awards: Macalester Dean's List Fall 2018, Kofi Annan International Scholarship for Academic Excellence, Charles J. Turck Presidential Honor Scholarship Recipient

Relevant Coursework: Software Design and Development, Computational Linear Algebra, Algorithm Design and Analysis, Object-Oriented Programming and Data Structures (Java), Discrete Mathematics, Multivariable Calculus 3

RELEVANT EXPERIENCE

Mathematics, Statistics and Computer Science Department, *Macalester College*, St Paul, MN   *Sept 2019 – May 2020*

*Preceptor (**Core Concepts of computer science** [Sept – Dec 2019]**, Calculus 3** [Jan-May 2020])*

- Assist students with any difficulties or questions they have about the day's lessons in class.
- Hold weekly Office hours where students can come and ask questions related to the course material.
- Assist the professor with grading HomeWorks and In-class activities.

#EarlyBird, *Twitter*, San Francisco, CA   *May 19 – May 24, 2018*

Participant

- One of 35 students selected from more 1200 applicants to participate in a five-day interactive program for first-year computer science students from historically underrepresented backgrounds at Twitter HQ.
- Collaborated with 4 other participants and a senior software engineer to design, implement and pitch a new feature to a panel of judges. *Second Place Winner of the #EarlyBird2019 New Feature Pitch Competition.*

PROJECTS

Developer Portfolio Webpage (Independent)   *July 2020 – Present*

- Developed this website using Vue.Js to showcase my CS projects to employers.
- Designed webpage using Adobe XD and implemented it as a Responsive webpage so that it properly fits a variety of device sizes
  - https://beckageleto.dev
  - https://github.com/beckaberhanu/DeveloperPortfolioWebsite-VueJs-2020

Maniacal Egg (Group Project)   *Mar 2020 – Present*

- Developed this webapp using Vue.js to provide a more intuitive and easier to use alternative to our school's course registration process.
  - beckageleto.dev/ManiacalEgg-MyCopy/
  - github.com/beckaberhanu/ManiacalEgg-MyCopy

SwapApp (Group Project)   *Feb 2020 – Present*

- A website for student to exchange, sell or purchase used textbooks online.
- Includes a built-in messaging service so that buyers and sellers can easily communicate with each other on the same platform.
  - https://github.com/beckaberhanu/TextBookSwap

Multilayer Neural Network (Independent)   *Sep 2019 – Dec 2019*

- Built a basic machine learning algorithm from the ground up using java. Implemented as a multilayer perceptron with multiple configurable parameters such as network architecture, depth, learning rate and bias.
- Able to make predictions with up to 92% accuracy on the MNIST dataset of 60,000 handwritten digits at its current state.
- Includes a simple UI that keeps track of the model's performance at different points during training using the Java X-chart library.
  - https://github.com/beckaberhanu/MachineLearning2

EXTRA-CURRICULAR ACTIVITIES

Macalester Computer Science Club (MacHack)   **Nov 2018 - Present**

Member

- Routinely attend and actively participate in weekly club meetings.
- Contributor on the design and development of the MacHack student club website
- Designed and prototyped an affordable modular maze in preparation for the 2020 Princeton Micromouse Competition

SKILLS

Programming Languages: Python, Java, JavaScript.
Tools and Frameworks: Git**,** Django Web Framework, Vue.Js
Design: Adobe Xd, Illustrator, Photoshop