Michael Behrens

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http://behrensm03.github.io/

EDUCATION

Cornell University, College of Engineering   2017 - Expected May 2021
Computer Science Major, anticipated Double Major in Operations Research   Ithaca, NY

- GPA - 3.47 (as of Jan 2020)
- Relevant Coursework:
  - Functional Programming
  - Computer Vision*
  - Object-Oriented Programming & Data Structures
  - iOS Development
  - Intro Analysis of Algorithms*
  - Intermediate Web Design & Programming
  - Intro to Database Systems
  - Practical Tools for Operations Research & ML
  - Systems Programming
  - Optimization I & II*

* Spring 2020 courses, not yet completed

Bergen County Academies (BCA)   2013 - 2017
Academy for Engineering and Design Technology   Hackensack, NJ

WORK EXPERIENCE

Quality Engineering and Automation Intern
Crestron Electronics - Rockleigh, NJ   May 2019 - Aug 2019

- Worked with Quality Engineering team to continue developing and debugging test suite for automated product testing.
- Redesigned internal web portal and integrated database functionality. Integrated with APIs to dynamically display data from third party tools using PHP.

Summer Intern
SmartSites - Paramus, NJ   June 2018 - Aug 2018

- Automated workflow processes using APIs.
- Collected customer data using third party APIs to help optimize advertising campaigns.

PROJECTS

Tadpole, Co-Lead Developer and Designer   Aug 2019 - Current

- Currently developing and designing an iOS application called Tadpole designed to connect users to their community through local events displayed via MapKit. The app is being written in Swift and is using Firebase to store data.

Command Line Chess Game   Nov - Dec 2019

- Built a 2-player chess game that runs on the command line for my final group project in Functional Programming. The project is written in OCaml and implements most rules of chess (including pawn upgrades, en passant, and castling). It also prevents players from moving into check, and automatically terminates when checkmate occurs.

Designed and Developed the following websites:

- thepedestriansband.com - Rock & Roll cover band
- behrensm03.github.io - Personal portfolio
- dccusr.github.io - Graphic design student's portfolio
- Electric Buffalo Records website (in progress)
- projectciceronnj.org - Nonprofit organization
- mcb273.github.io - Cornell Club Baseball

EXTRACURRICULAR ACTIVITIES

- Electric Buffalo Records (Cornell Student Run Record Label), Incoming Web Director   2019 - Current
- Cornell Association of Computer Science Undergraduates, Member   2019 - Current
- Cornell Academy FC (Club Soccer), Team Member   2017 - Current
- Cornell Club Baseball, Team Member   2017 - Current

TECHNOLOGY SKILLS

- Python, Java, Swift, Javascript, OCaml, PHP, SQL, HTML, CSS, Git