Joseph Thomas Hines III

Education

Drexel University, Philadelphia, PA. **GPA:** *3.81*.
Anticipated Graduation: June 2021.

Master of Science, Computer Science.
Bachelor of Science, Computer Science.
Minor, Technology Innovation Management

Honors and Awards

- **Drexel CCI Dean's List**, x8
- **A.J. Drexel Scholarship**, 2016 - Present
- **Certificate of Merit**, Career Management and Profession Development, Drexel University, Winter 2017.

Activities

- *Member*, Upsilon Pi Epsilon, Fall 2019 - Present
- *Participant*, Philly Codefest 2018

Skills

- **Operating Systems:** Linux, Windows, OSX
- **Software:** VSCode, Microsoft Office, Figma, Azure DevOps, IntelliJ, Eclipse, Visual Studio, Photoshop, Lightroom
- **Languages:** JavaScript/TypeScript, Python, Go, C, Bash, Java, Haskell, CSS/SASS, SQL, Kotlin, C++
- **Tools/Libraries:** Git, Docker, node, React, React Native, numpy, Keras, Flask, gcc, gdb, valgrind, WebGL, p5.js

Experience

TutorMe.com, *Tutor* (8/20 - Present)

- Tutor students in Math, Computer Science, and Physics

Drexel University, *Teaching Assistant Substitute* (5/20 - 6/20)

- Filled in for the last 4 weeks of the Spring term
- Graded labs and homeworks, helped students with course material during office hours

Bentley Systems, *Web Development Co-op* (9/18 - 3/19)

- Created and maintained a well-designed internal style guide, library, and framework specific components
- Developed a React component system for internal use, using style from aforementioned library
- Aided in developing a GraphQL service and example frontend components

Penn Mutual Life Insurance, *Software and Web Development Co-op* (9/17 - 3/18)

- Developed and maintained various REST APIs and internal web interfaces
- Worked with lead users to facilitate transition to one unified internal application
- Finished first release of internal web application, positive feedback from 100s of users across the company

Rockledge Borough, *Public Works Laborer* (12/16 - 1/19)

- Managed inventory of industrial grade tools and machinery at garage
- Maintained cleanliness of garage as well as neighborhood parks and streets
- Operated various machines for park and street maintenance/construction projects

Projects

Learning To See in the Dark, *Machine Learning, Frontend Web* (CS583 - Computer Vision)
About: jzlotek.github.io/cs583-final/

- **Technology:** python3, tensorflow, keras, Flask, npm, React, JavaScript, CSS, Google Colab
- Started with the repository produced by a research project, written in a deprecated tensorflow version
- Translated the 27-layer CNN to keras and optimized all processes to be batched and run on average hardware
- Created a simple webapp that allowed users to upload images and receive the output of the model

Municipal Solutions, *Fullstack Web* (CS530 - Designing User Interfaces)
Source: github.com/ephjos/cs530-project

- **Technology:** python3, Flask, sqlite3, Bootstrap, JavaScript, OpenLayers, CSS
- Using experience from public works, created a solution for planning road closures
- Allowed users to interact with a map and plan placement of resources and personnel
- Integrated several workflows and allowed a report to be generated to communicate the plan

Checkers, *Fullstack Web* (CS451 - Software Engineering)
Source: github.com/ephjos/cs451-project

- **Technology:** npm (yarn), TypeScript, express, CSS
- Created an online multiplayer checkers game, using the USACheckers ruleset
- Enabled players to enter a queue on the server and be paired into games
- Provided a simple and fast interface to enable a satisfying gameplay experience

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ephjos.io
Philadelphia, Pennsylvania