

Peter James Flanagan

Full-stack developer living in Brooklyn, New York

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EXPERIENCE

FreeWheel, Manhattan, NY — *Software Engineer III* — JUNE 2018 - PRESENT

- Implemented API endpoint to process and store advertisement files of various traffic methods, used by clients to register over 1,500 creative videos every day
- Upgraded front end to modern, standardized React-based framework, improving code quality and website usability
- Redesigned theme, elements and layouts to match web tools with company rebrand
- Designed open source development tool Dashflow, allowing users to manage multiple terminal command streams
- Created video transcoding service optimizations, saving money by avoiding duplicate jobs

Bentley Systems, Exton, PA — *Performance Monitor Intern, Web Development Intern* — SUMMERS 2016, 2017

- Refactored code and altered functionality of various pages for Bentley online portal, creating simpler, future-ready design in .NET framework
- Expanded test suite to encompass more pages and features using Selenium in C#, increasing code coverage
- Converted performance test GUIs to command line applications, allowing for test case automation

BioTelemetry, Inc., Malvern, PA — *Internal Communications Intern* — SUMMER 2015

- Programmed web pages to display call center information on overhead monitors in real-time using JavaScript and Toad SQL, improving call response time and internal company communication

PROJECTS

Bamboo — bamboolearn.com — INDIVIDUAL

- Designed and developed web application and Chrome extension and web app to help users learn Mandarin using React and MongoDB Stitch

MTA Clock — github.com/pjflanagan/MTA — INDIVIDUAL

- Built wall clock to represent approximate subway arrival times using AWS Lambda and ESP8266 development board

Team Michelle Calligraphy Bot — VOLUNTEER TEAM

- Designed 3D printer style robot and accessible web app controller capable of drawing calligraphy for disabled persons using Arduino and Python Flask

Nuclear Codes — nuclear-codes.com — INDIVIDUAL

- Developed multiplayer text-based socket game using React and Socket.io

SKILLS

Scripts

JavaScript, Golang, Python, C++, CSS, C#

Frameworks

React, Angular, Flask, GRPC

Tools & Services

Heroku, MongoDB, AWS

Languages

English - NATIVE

Mandarin - LEARNING

EDUCATION

University of Michigan, Ann Arbor, MI — *B.S.E. in Computer Science, Minor in Entrepreneurship* — CLASS OF 2018

- **Coursework** — Web Databases and Information Systems, Data Structures and Algorithms, User Interface Design
- **U-M Every Three Weekly** — *Editor-In-Chief, Lead Graphic Designer* — Wrote and edited articles for satire magazine
- **U-M Running Club** — *Webmaster, Runner* — Managed website with Bootstrap and PHP