

# Peter James Flanagan

Full-stack developer living in Brooklyn, New York

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## EXPERIENCE

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

- Implemented API endpoint to process and store advertisement files of various trafficking methods each month, used by clients to register over 1,500 creative files 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

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## PROJECTS

**Bamboo** — [bamboolearn.com](http://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](https://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](http://nuclear-codes.com) — INDIVIDUAL

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

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## SKILLS

### Scripts

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

### Frameworks

React, Angular, Flask, GRPC

### Tools & Services

Heroku, MongoDB, AWS

### Languages

English - NATIVE  
Mandarin - LEARNING

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## 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