

# ADAM HARTZ

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## TECHNICAL SKILLS

- PHP; PHPUnit
- JavaScript; Mocha, Chai
- AngularJS, React.js
- Python; nose, unittest, pytest
- Django, REST API framework
- Bash scripting
- MySQL, PostgreSQL, SQLite3
- HTML5, CSS3, Sass
- Git
- Heroku, Travis-CI
- Familiarity with Ruby and Java

## WORK EXPERIENCE

### Payoneer

Software Engineer

Durham, NC

March 2016–May 2018

- Full-stack development on REST API-driven web application—designed and implemented new features w/ concomitant tests; fixed bugs; and refactored code for clarity/extensibility/reusability
- Back-end ledger expert for this fintech company's (sunsetting) escrow product—assessed and fixed all ledger bugs, proposed and implemented improvements, and wrote new ledger-related features
- Conceived of new fundamental abstraction for orders; core contributor to its architecture and implementation
- Applied standards and best practices throughout codebase, increasing its maintainability and cohesiveness
- Provided thorough code reviews, catching many unforeseen consequences (edge cases, negative interactions with existing code, etc.), flaws in logic, and bugs
- Engaged participant in Agile estimation meetings; sparked clarifying discussions to ensure shared vision
- Actively engaged with stakeholders to resolve business-rules matters uncovered during implementation
- Wrote/released Python SDK for Payoneer Escrow API ([github.com/Payoneer-Escrow/payoneer-escrow-python](https://github.com/Payoneer-Escrow/payoneer-escrow-python) and [pypi.org/project/payoneer-escrow-sdk/](https://pypi.org/project/payoneer-escrow-sdk/))
- Created Django site to receive/display Payoneer Escrow webhooks for testing purposes

### Duke University Medical Center Department of Anesthesiology

Administrative Coordinator

Durham, NC

August 2012–October 2015

- Managed the high volume of projects coming through the Chair's office
- Coordinated key players to drive departmental priorities to completion

### Duke University Press

Journals Production Coordinator

Durham, NC

April 2008–August 2012

- Managed production of up to 11 scholarly journals from manuscript submission through printing/distribution
- Built and maintained strong long-term working relationships with editorial offices, internal staff, and vendors

### David Milling Architects

Office Manager and Marketing Assistant

Ann Arbor, MI

April 2004–May 2007

## SELECTED PROJECTS

### TopTune (in Progress)

Personal Project

Durham, NC

March 2018–Present

- Learning React through self-guided study; currently using React Router, Redux, and Redux Persist
- Developed back-end in Django to leverage Python's data analysis capabilities in future features

### The Iron Yard Academy, Final Project ([brewkeeper-52a9a.firebaseio.com](https://github.com/ahartz1/brew-keeper-gui))

Python Developer

Durham, NC

November 2015 / June–August 2017

- Followed Angular best practices to completely overhaul front-end team's original implementation of Angular app to be DRY (2017; see repo at [github.com/ahartz1/brew-keeper-gui](https://github.com/ahartz1/brew-keeper-gui))
- Invented, pitched, and served as project manager for Brew Keeper, a mobile-first web app for coffee brewers
- Led design of Django back-end and implemented or pair-programmed majority of models, views, serializers
- Deployed Django back-end via Heroku and set up configuration of Travis-CI

## EDUCATION

### The Iron Yard Academy

Python Developer

Durham, NC

August–November 2015

- 70–80+ hours per week, completed all assignments and had highest completion frequency of "hard mode"
- Gained experience with data science topics, including data cleaning and analysis with pandas; Monte Carlo simulations; and machine learning using linear regressions, Bayesian models, and decision trees
- Built 5 complete Django sites—2 of which were RESTful APIs

### University of Michigan

Bachelor of Science in Electrical Engineering

Ann Arbor, MI

December 2001

- GPA: 3.43/4.00