Madeleine Hardt

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EDUCATION

AQUINCUM INSTITUTE OF TECHNOLOGY | Budapest, Hungary
Post-B.A. Semester Abroad | Fall 2017

GRINNELL COLLEGE | Grinnell, IA
B.A. – Computer Science with honors | May 2017
Cum. GPA: 3.56 • Major GPA: 3.61

HORACE GREELEY HIGH SCHOOL | Chappaqua, NY
Diploma | May 2012
National Merit Scholar

SELECTED EXPERIENCE

ROBERT HALF assigned at Comcast
Developer II | Sep 2019 - present
Primarily working in messaging (email, SMS, MMS) and Anti-Abuse
Developing and maintaining various apps as needed (Python, PHP, Bash, Java, etc.)
Able to quickly pick up projects & communicate with internal & ext. stakeholders

SAWATCH LABS
Transportation and Mobility Data Analyst | Jan 2019 - May 2019
Developed & visualized data-driven insights for electric & traditional vehicle use
Presented findings visually and in written reports for non-technical audiences
Full-stack software dev., including DB, RESTful API, and simple UX implementation

MORELITY
Software Development Intern | June 2017 - August 2017
Developed and refined client-facing app as software dev. team member
Emphasized testing Meteor JS framework with Sinon.js, Mocha, and Chai.js
Trained in basic DevOps and Data Science methodologies

FORVM: PROJECT GADFLY
Project Manager & iOS Developer | March 2017 – September 2017
Led a team project to lower the barrier for Americans to call elected officials
Created two apps, a web client, a server, a database, and nonprofit company
Developed iOS app to retrieve representatives, scan QR codes, & display call scripts

GRINNELL COLLEGE APPDEV
iOS Developer | Jan 2017 – May 2017
Developed iOS front-end for mobile applications for campus and community use
Trained in Objective-C; worked in Swift

GRINNELL COLLEGE C.S. DEPARTMENT
Class Mentor | Aug 2016 – Dec 2016; Jan 2017 – May 2017
Introductory course in C, focused on imperative problem solving & data structures
Operating systems course in C, focused on resource mgmt. & parallel algorithms
Reviewed concepts & answered questions in class, mentor sessions, & office hours

DIGITAL BRIDGES FOR HUMANISTIC INQUIRY GRANT
FUNDED BY THE ANDREW W. MELLON FOUNDATION
Research Fellow | May 2016 – September 2016
Developed a user-friendly pipeline to make and query topic models of Twitter data
to support research in the Social Sciences and Humanities

SKILLS

Languages:
Python, PHP, JavaScript, HTML, CSS, Java, C, Ruby on Rails, Objective-C, Swift, Scheme, Prolog,

Relational and Non-relational Databases

Testing and Automation

Tools and methodologies:
Git, Agile practices, Pair programming, Unix & Bash

SELECTED COURSEWORK

AI with Python

Scalable Systems

Networks

Semantic & Declarative Technologies

Data Visualization

Analysis of Algorithms

Computational Complexity & Automata

Operating Systems

Object-Oriented Design

Imperative Problem Solving & Data Structures

Functional Problem Solving

Combinatorics (proof-based)

Linear Algebra (proof-based)