

MATTHEW K. PARMETT

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EDUCATION

University of Pennsylvania	Philadelphia, PA
School of Engineering and Applied Science	Expected Dec 2023
Master of Computer and Information Technology	GPA: 3.96 / 4.00
<i>Relevant Coursework:</i> Data Structures, Algorithms & Computation, Artificial Intelligence, Big Data Analytics, Operating Systems Programming	
<i>Sample Projects:</i>	
<ul style="list-style-type: none">▪ Deep neural network & regression models to classify foods & predict nutrition scores using OpenFoodFacts data▪ Multi-class perceptron classifier models for Ronald Fisher's iris flower and NIST handwritten digits datasets▪ N-gram language model that generates novel text based on corpus of classic literature▪ Assembler and disassembler for LC4 CPU, a simulated CPU architecture developed at Penn	
The Wharton School	May 2014
B.S. in Economics; Concentrations in Finance, Operations & Information Management	GPA: 3.76 / 4.00
<i>Relevant Coursework:</i> NLP, Business Programming Languages, Data Analysis for Developers	
College of Arts and Sciences	May 2014
B.A. in Political Science	GPA: 3.76 / 4.00
University of Washington	Seattle, WA
Certificate in Python Programming	2020–2021
<i>Sample Projects:</i> Blog application hosted on Django/Azure, Social network backend using SQLite/Flask	

PROFESSIONAL EXPERIENCE

Liberty Mutual	Seattle, WA
<i>Software Engineering Intern, Digital Dialogue</i>	May – Aug 2023
<ul style="list-style-type: none">▪ Redesigned email archiving service to run on serverless AWS Lambda/SQS architecture, reducing runtime by 67%▪ Implemented event-driven service on Apache Kafka to notify business groups upon SMS message delivery via Twilio	
Kanary (kanary.com; data privacy startup for automated online data removal)	Seattle, WA
<i>Software Engineering Intern</i>	July – Dec 2022
<ul style="list-style-type: none">▪ Transitioned core member data monitoring and removal services from Python to extensible Go service architecture▪ Increased data removal rates for top brokers by more than 40%, addressing backlogs for over 10,000 members	
Echo Health Ventures	Seattle, WA
<i>Healthcare Venture Capital Principal</i>	2018 – 2022
<ul style="list-style-type: none">▪ Sourced, evaluated, and executed investments in early- and growth-stage healthcare companies for top-quartile fund▪ Led Echo's virtual and convenient care investing practice; executed investments in TytoCare, Genome Medical, Heartbeat Health, FastMed, and Dispatch Health and served as Observer on each company's Board of Directors	
J.P. Morgan	New York, NY
<i>Healthcare Investment Banking Associate</i>	2014 – 2018
<ul style="list-style-type: none">▪ Structured and underwrote over \$15 billion in taxable and tax-exempt debt for large healthcare systems▪ Valued acute care providers for healthcare organizations considering consolidation; performed comparable company and discounted cash flow analysis, and forecasted industry trends to make strategic recommendations	

EXTRACURRICULAR ACTIVITIES

PennApps Labs (now Penn Labs)	
<i>Developer Relations Coordinator</i>	2012 – 2013
<ul style="list-style-type: none">▪ Designed and implemented APIs for campus systems; delivered tech talks about PennApps APIs to student developers; hosted office hours with prominent engineers, including Loren Brichter session on iOS apps	
Sample Personal Projects:	
<ul style="list-style-type: none">▪ Snapchat clone – privacy-focused iOS app (Swift) replicating core Snapchat functionality using AWS S3/SNS▪ <u>Runmember</u> – mashup of Strava, Foursquare, and Mapbox APIs to list points of interest on running route▪ <u>Digest</u> – extensible email newsletter platform written in Ruby; hosted on Heroku▪ <u>Bloffee</u> – static-file blog engine written in CoffeeScript, powered by Node.js, Express, Jade, and Markdown▪ <u>Snoozr</u> – extensible Ruby app to “snooze” emails to be resurfaced at a later time; hosted on Heroku	

Technologies: Python, Java, Typescript, C, AWS, Git, SQL/Postgres

Interests: Hi-fi & DIY audio, record collecting, homebrewing, photography, guitar, NY Yankees, Magic the Gathering