

Ian Abrams

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(610) 312-1212

Full-stack developer with broad experience across the major web, app, and ML development frameworks.
Specialist in complex, logical problem solving with a background in research and pure mathematics.

EDUCATION

Schreyer Honors College, Pennsylvania State University
BS Computer Science and BS Mathematics

2020 - 2024
3.93 GPA

EXPERIENCE

Project Coordinator, 565 Consultants

Sep 2024 - Present

- Oversaw the logistics of relocating thousands of pieces of furniture with an over 99% on-time rate
- Managed relocation of critical machinery in center-city Phila. with less than an hour of downtime

Machine Learning Consultant, Wildfires.org

Dec 2021 - May 2022

- Developed SimSiam-like AI model using TensorFlow to classify forest changes with over 80% accuracy
- Researched and deployed S-CCD, an advanced method for detecting forest change, via AWS microservices

Software Engineer, Interactive Limited

Jun 2020 - Jan 2021

- Modernized the IL client blogs, made them responsive, mobile-friendly, and decreased load times by 13%
- Led an international team through MVP app development to successfully pitch a client

Junior Developer, LeanSentry

Jun 2019 - Mar 2020

- Developed systems to allow real-time, events-based engagements with LS marketing materials
- Developed web scrapers which automatically find hundreds of marketing/engagement opportunities online

QA Intern, RealTime Media

Jun 2018 - Aug 2018

- Developed a live-editing tool for website copy text, eliminating largest category of client change requests
- Wrote unit tests for RTM websites using Selenium and manually performed QA

PROJECTS

Showcase Website

ianabrams.com

- Personal website with a quick showcase of my competencies and projects
- Built using only standard HTML/CSS/JS with an Apache3 backend

TMan DAG

github.com/headphoner/TManDAG

- Agenda management app with automated task scheduling and priority switching based on interrupt events
- Built in React Native using TypeScript targeting all mobile platforms (iOS, Android, web-app)

SKILLS

Web/App Development

MS .NET core (since 2018)
RESTful design (since 2018)
React / React Native (since 2023)

Systems Administration

Linux administration (since 2017)
AWS management (since 2021)
Docker management (since 2024)

Machine Learning

Tensorflow (since 2021)
Model knowledge (since 2021)
PyTorch (since 2023)

Soft Skills

Technical comm. (since 2018)
Project Management (since 2020)
Client interfacing (since 2024)

Analytical Skills

Complex analysis (since 2021)
Linear algebra (since 2022)
Game theory (since 2022)

Hobbies

Video games (since 2008)
Piano (since 2016)
Firefighting (since 2024)