

Jonathan Poholarz

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ABOUT

Working Full-Time for Amazon

Software engineer fascinated by artificial intelligence, climate systems, and procedural generation. I aspire to apply my skills and knowledge gained pursuing my interests to have a positive impact on the world.

EDUCATION

Purdue University – West Lafayette, IN GPA 3.86/4.00 Spring 2019
BS Computer Science
Concentration in Software Engineering, Machine Intelligence (AI)
Minor in Earth/Atmospheric Science

KEY CLASSES

Software Engineering Database Systems	Data Structures and Algorithms Analysis of Algorithms	Data Mining and Machine Learning Web Info Search & Retrieval
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PROJECTS

Match-3 Engine – Candy-Crush™-inspired turn-based puzzle game in Godot	Spring 2023
Personal Website – Portfolio site in pure HTML and CSS hosted on Github Pages	Winter 2021
HiStickerBot – Messaging app chat bot in Python hosted on Heroku with Postgres	Fall 2020
Memoji – Multiplayer Jackbox™-style game where you answer prompts using only emojis; Group capstone Software Engineering Project with Godot and NodeJS	Spring 2019

WORK HISTORY

Software Development Engineer Aug 2022 – Present

Amazon Alexa Smart Properties – Kansas City, MO (Remote)
Implementing features for services hosted in Amazon Web Services (AWS) utilizing AWS Cloud Development Toolkit (CDK), Java, and Kotlin
Designed REST API for programmatic analytics solution allowing customers to request data reports demonstrating Alexa return-on-investment

Software Development Engineer Dec 2020 – Jul 2022

Yahoo (Formerly Verizon Media) – Champaign, IL
Led lift-and-shift migration of conversion postback endpoint to the cloud (AWS).
Developed features for Apache Storm+Trident ad conversion big data pipelines processing millions of ad conversions, primarily in Java and Python.
Created and reviewed Git pull requests before deploying CI/CD code pipelines.
Investigated data discrepancies to ensure highest data quality for customers.
Trained and mentored new hires as they joined our team.

Associate Software Development Engineer Jun 2019 – Dec 2020

Verizon Media – Champaign, IL

Junior Software Developer May 2018 – Dec 2018

Blue Pillar, Inc. – Indianapolis, IN

Contributed full-stack production code to enhance features of the Aurora Energy Network of Things™ platform using JavaScript, C# .NET, and SQL.

Lead Teaching Assistant Aug 2017 – May 2019

Purdue University CS180 (Intro CS with Java) – West Lafayette, IN

Directed labs sessions and answered questions to promote learning key concepts.
Managed TA team, proctored quizzes and exams, facilitated discussion in online Q&A board, designed assignments, graded student assignments

AWARDS/HONORS

Dean's List Status (x8) - Purdue University	Fall 2015 – Spring 2019
Phi Beta Kappa Honor Society Inductee – Purdue University	Spring 2019