

# Ben Muthalaly

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github.com/benmuth

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## RELEVANT EXPERIENCE

ProductScope	May–Dec 2023
<i>Core Backend Developer</i>	<i>Python, AWS, Midjourney</i>
• Implemented real-time generative AI pipelines in Python for product photo generation and processing, deploying inference systems on AWS	
ArchiveBox	Oct 2023–Apr 2025
<i>Open-source Maintainer</i>	<i>Python, Django, HTML, JavaScript</i>
• Redesigned and implemented browser extension for cross-browser compatibility	
• Updated configuration and notification system in Django backend	

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## PROJECTS

PairPad	<a href="https://github.com/benmuth/pairpad">github.com/benmuth/pairpad</a>
<i>Collaborative text editor</i>	<i>Go, WebSockets, CRDTs</i>
• Designed and implemented a client-server networking architecture using WebSockets	
papers-dl	<a href="https://github.com/benmuth/papers-dl">github.com/benmuth/papers-dl</a>
<i>Scientific paper collection</i>	<i>Python</i>
• Enabled fast, concurrent collection of scientific papers from multiple sources using asynchronous Python	
• Gave a talk on the tool and ArchiveBox's extractor architecture at DWeb Camp 2024	
AutoClad	<a href="https://github.com/benmuth/sts-ai">github.com/benmuth/sts-ai</a>
<i>Slay the Spire bot</i>	<i>C++, Python, PyTorch</i>
• Designed and implemented a full pipeline for data generation and ML training of a bot to play the video game Slay the Spire using supervised learning techniques	

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## EDUCATION

Recurse Center	Aug–Nov 2022, Jun–Sep 2025
<i>Participant</i>	
University of Houston – Honors College	Aug 2016–Dec 2018
<i>BS Mechanical Engineering (unfinished)</i>	<i>National Merit Scholar</i>