

STEPHEN NOROD

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EDUCATION

Georgia Institute of Technology

Bachelor of Science: Computer Engineering

May 2020 | Atlanta, GA

EXPERIENCE

Branch - Technology Director

Jan. 2019 -- Present | Atlanta, GA

Branch: an online platform that trains users to have better political conversations by facilitating discussions between different perspectives and providing real-time moderation and tips, then giving users feedback on their conversational strengths and weaknesses

- Designed the site's infrastructure from the ground up, led a team of software developers to create a robust chat UI and integrate sentiment analysis/tracking algorithm using Perspective API
- Performed A/B testing, Wizard of Oz experiments, user interviews, and data analytics to understand user interaction with the site

Amazon - SDE Intern

May 2019 -- Aug. | Seattle, WA

AWS Managed Services (AMS): a set of services for enterprise customers to migrate on-premises workloads to the public cloud and manage these workloads after migration

- Architected a configurable read-only application for determining if a customer's compute instance is prepared to migrate to AMS
- Constructed a CI/CD pipeline with unit and integration testing for each targeted OS using AWS Developer Tools, Amazon EC2, AWS Lambda, Amazon S3, AWS CloudFormation, and Amazon CloudWatch
- Won 1st place at the Amazon Dive into Deep Learning Hackathon (NLP Track with pre-trained models)

OSIsoft - Software Developer Intern

May 2018 -- Aug. | Philadelphia, PA

Edge Data Store (EDS): a system for temporarily storing and locally utilizing data on lightweight computers when larger network connectivity is impractical or impossible

- Redesigned EdgeScale, a performance benchmarking tool for EDS, with an algorithm to recursively break up variably-sized datasets before compressing and transferring them to a specified network location
- Manually implemented CPU usage metric and GZip compression feature for EdgeScale using data retrieved from the EDS API, performed Windows and Linux end-to-end testing to ensure agnosticism

Abbott Laboratories - Embedded Software Engineering R&D Co-op

Jan. 2017 -- June | Atlanta, GA

CardioMEMS: an FDA-approved heart failure monitoring system

- Analyzed PCB schematics, performed electrical tests and solder inspections on circuit boards, experimented with testing environments, authored a technical report in order to address an electronic performance issue
- Debugged an XML parser that was incorrectly reading data and thus outputting invalid test reports, migrated code from C# and Bash to Python for developer-friendliness

Vertically Integrated Projects at Georgia Tech - Android Developer

Aug. 2016 -- Dec. | Atlanta, GA

Brain Trauma Assessment Protocols (BTAP): a research project to develop a suite of mobile app modules for administering neuropsychological tests and collecting data from individuals who have suffered brain traumas

- Developed a module to simulate an image-naming test, synthesize digital audio feedback, and record audio data

SKILLS

Programming –

ADEPT:

Java, Python, C#, MATLAB

FAMILIAR:

C++, C, JavaScript, HTML, CSS, Bash, PowerShell, SQL, GraphQL

Software / Instrumentation – AWS, MongoDB, GitLab, Heroku, mbed, Arduino, Raspberry Pi, Linux (RHEL, CentOS, Amazon Linux), Android

Specializations – IoT (Edge Devices, Sensors), AI (NLP), DSP, Agile (Scrum), CI/CD, Entrepreneurship

LEADERSHIP

Georgia Tech SGA - Campus Safety Advisory Board, Joint Sexual Violence Advisory Committee, Health and Wellbeing Committee

Mentorship - Mentor for first-year undergraduate students at Georgia Tech, volunteer at the Boys & Girls Clubs of Metro Atlanta