

ATHREYA ANAND

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Grad: May 2021, US Citizen

Profiles: athreyaanand.com | LinkedIn: *in/athreyaanand* | GitHub: *athreyaanand* | Medium: *athreyaanand*

Skills: Python, Java, ML (SciKit, TF, Keras), Postgres/SQL, C, Ansible, JavaScript, Bash, CSS/HTML

EXPERIENCE

ESRI – Redlands, CA

May 2020 – Aug 2020

Data Science & Analytics, Software Engineering Intern

- Implemented data Hex Binning into Esri's Insights platform using Postgres, PostGIS, ST_Geom, and Java
- Utilized SQL and data analytic techniques to gain insights into various datasets and hexbin approaches
- Built out backend tools from scratch to efficiently hex-bin hundreds of thousands of points in seconds

AMAZON AWS – Cupertino, CA

May 2019 – Aug 2019

Machine Learning, Software Development Engineering (SDE) Intern

- Worked on chip created for cloud-based Machine Learning inference acceleration within EC2: AWS Inferentia
- Helped build out runtime and constructed entire metrics protocol and infrastructure
- Used python to read metrics from chip and pipe to AWS CloudWatch; produced informative fleet dashboards

BOINGO WIRELESS – Los Angeles, CA

May 2018 – Aug 2018

DevOps, Software Engineering Intern

- Wrote 20+ automation scripts with bash and Ansible to help automate network engineering tasks
- Created automation job to reduce financial server bootup to ~10 minutes from over 24 hours
- Won Boingo hackathon out of ~300 employees with dynamic network load balancing script using bash/expect

TRACE STUDIOS – Los Angeles, CA

Jan 2015 – 2019

Founder and Mobile Application Developer

- Founded personal app development company and produced 6 applications: 3 for app store, 2 for competitions
- Ranked top 100 financial applications in three countries for Cuex; Over 10,000 downloads across all applications

TESLA – Palo Alto, CA

May 2015 – Aug 2015

Software Engineering Intern

- Helped within server datacentre and software maintenance; gained exposure to IT workflow and environments

HACKATHONS & PROJECTS

T-MOBILE HACKATHON – Second Place

Apr 2019

- Built a live transcription service and universal cloud to aid customer service; used semantic analysis & Azure ML suite

BUILDGT2 – First Place

Mar 2019

- Built a real-life version of Wii Sports Bowling; used a Roomba, Raspberry Pi, Kinect, Processing, & object detection

HACKGT5 – Top 8 & Best Domain

Oct 2018

- Built a “real-world” FPS using a computer webcam and finger-guns; used ThreeJS, HTML/CSS & object detection

BUILDGT1 – Best Beginner Project

Sep 2018

- Built a multiplayer VR recreation of *Hole in the Wall*; used Kinect, raspberry pi, web sockets and unity for dev.

BOINGO HACKATHON – First Place

May 2018

- Devised a bash/expect script to automatically switch users based on network load/usage; 112% speed improvement

INSIDER – Mobile App

Android

- Published couch co-op pass & play version of Mafia/Werewolf; over 7,000 downloads

BINDER – Mobile App

Android

- Uses Evernote API and ML image detection to isolate paper notes and auto organize class material

MINDLESS – Mobile App

Android

- Uses Reddit API and custom JSON parser to isolate articles from reddit pertaining to stupid, mindless news

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY – Atlanta, GA

B.S. Computer Science; Honors Program; Cum GPA: 3.75; CS GPA 4.0

May 2020

M.S. Computer Science/Machine Learning

May 2021