Christopher Lambert

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https://github.com/theriley106

EXPERIENCE

Lyft — Seattle, WA

Software Engineering Intern, Internal Productivity Team — June 2020 – July 2020

- Internship duration shortened to 8 weeks due to Covid-19
- Developed a full-stack web application that enabled leadership to monitor internal team metrics and goals at Lyft
- Worked to design the entire product end-to-end including data models, backend, frontend, and code deployment

Stripe — Seattle, WA

Software Engineering Intern, Merchant Intelligence Team — January 2020 – May 2020

- Developed and deployed multiple features in the Stripe dashboard, including a ranking system for account investigations that enabled platforms to quickly find potentially fraudulent or suspicious merchant accounts
- Won 1st place in a company hackathon after creating a donation website that aggregated trustworthy "Stripe-approved" charities by quantifying the legitimacy of non-profit organizations based on their current or projected financial state
- Technology used: Python, GraphQL, React, Ruby, MongoDB, Stripe API

Tesla — Palo Alto, CA

Software Engineering Intern, Service Engineering Team — August 2019 – November 2019

Software Engineering Intern, Infotainment Automation Team — May 2017 – August 2017

- *Recruited by Tesla in High School after publishing a popular open-source UI automation project on Github*
- Developed a method to parallelize vehicle log aggregation, effectively reducing processing time by 50%+ in an internal tool used across all vehicles in the Tesla Model S/X/3 fleet
- Worked with the Firmware team to develop automation infrastructure for the Tesla Model S/X/3 Infotainment System
- Worked alongside a team of interns to create a web tool that analyzed cost differences between gas and electric powered vehicles

Capital One — McLean, VA

Software Engineering Intern, Risk / Anti-Money Laundering — June 2019 – August 2019

- Developed a tool for validating potentially suspicious transaction data in real-time to aid in the immediate identification of fraudulent account activity
- Developed a method to dynamically assign account information to a credit card without encoding the magnetic stripe, a solution that would allow for immediate card number reassignment in the event of a data breach

Lending Club — San Francisco, CA

Software Engineering Intern, Internal Tools and Infrastructure — June 2018 – August 2018

- Used Docker to standardize Python application deployment, enabling employees to develop microservices using frameworks like Flask and Django.
- Worked with Python's Flask framework to develop a single notification gateway that enabled cross-platform communication across Slack, Atlassian tools, and numerous internal applications.

HACKATHONS

Participant: VandyHacks 2017 *(Vanderbilt University*), BigRedHacks (*Cornell University*), HackNC (*UNC - Chapel Hill*), HackGT (*Georgia Tech*), Disrupt the District (*Washington, DC*), ColaHacks (*USC*), HackGSU 2018 (*Georgia State University*), Uncommon Hacks (*University of Chicago*), MedHacks (*The Johns Hopkins University*), T-Mobile AI Hackathon (*Georgia Tech*), AuburnHacks (*Auburn University),* UGAHacks *(University of Georgia), HackGSU 2019* (*Georgia State University*), HackTech 2019 *(California Institute of Technology),* HackPrinceton (*Princeton University*), VandyHacks 2018 (*Vanderbilt University*), CalHacks 2019 (*UC: Berkeley*), Facebook Hackathon (*San Francisco, CA*), Stripe Internal Hackathon (*Stripe)*, MIT Hacking Medicine (*Massachusetts Institute of Technology*), VandyHacks 2019 (*Vanderbilt University*), HackTech 2020 *(California Institute of Technology), LAHacks 2020 (UCLA),* Code For Good (JP Morgan Chase)

Organizer/Mentor: CUhackit (*Clemson University*), Stripe Intern Hackathon (*Stripe*)**,** HackGT (*Georgia Institute of Technology*)

EDUCATION

Columbia University — New York, NY

Bachelor of Arts; Computer Science

- Foundations of Computer Science Track, with a focus on algorithms, computational complexity, and computer science theory
- Expected Graduation Date in May 2023

AWARDS / HONORS

- **1st Place at CalHacks 2019 |** Presented by the University of California: Berkeley in Nov 2019
- **Microsoft Grand Prize Winner |** Presented by Microsoft at the University of California: Berkeley in Nov 2019
- **Docusign 2nd Place Winner** | Presented by Docusign at the University of California: Berkeley in Nov 2019
- **Best Mobile Hack at HackTech |** Presented by the California Institute of Technology (Caltech) in March 2019
- **Best IoT Device at HackTech |** Presented by the California Institute of Technology (Caltech) in March 2019
- **Best Hack that Acts on the Physical World |** Presented by Uber's Advanced Technology Group in March 2019
- **Best IoT Device at HackGSU** | Presented by Georgia State University in March 2019
- **Best Community Focused Hack** | Presented by State Farm in March 2019
- **Best use of SnapKit SDK at UGAHacks |** Presented by Snapchat in February 2019
- **Best use of Google Cloud Platform at AuburnHacks** | Presented by Google in February 2019
- **Best use of EventBrite at VandyHacks** | Presented by Vanderbilt University in November 2018
- **1st Place at HackGT |** Presented by NCR Corporation at Georgia Tech in October 2018
- **Best Voice Hack at HackGT** | Presented by Citi Bank in October 2018
- **Finalist at MedHacks |** Finalist at The Johns Hopkins University medical hackathon in September 2018
- **1st Place at ColaHacks** | Presented by The University of South Carolina in April 2018
- **Best Voice Hack at ColaHacks |** Presented by The University of South Carolina in April 2018
- **Finalist at HackGT |** Finalist at Georgia Tech's hackathon in October 2017
- **Best IoT Device at VandyHacks |** Presented by Vanderbilt University in October 2017

PERSONAL PROJECTS

The WallStreetBets Index | *Algorithmic trading strategy based on comments from a popular trading forum* **Python**
https://github.com/theriley106/TheWSBIndex July 2018 – March 2019

- Created a full-fledged Algorithmic trading strategy that included backtesting, broker integration, reliability testing, and projected returns
- Ran analysis on dozens of data points including comment sentiment, upvote count, and author reliability to find reliable indicators of future market price of a security
- Created a language processing model to extract the indicated position towards a specific security in a Reddit comment

No-Name Bot | *Open-source bot to purchase limited release sneakers* **Python**
https://github.com/theriley106/SneakerBotTutorials March 2017 - June 2018

- 300+ Stars on Github with ~1,500 weekly views
- The project was created for a YouTube tutorial series that has accumulated 200,000+ views
- Technology used: Selenium, PhantomJS, BS4, Docker

Amazon Textbook Arbitrage | *Finding Arbitrage Opportunities in the Amazon Textbook Marketplace* **Python**
https://github.com/theriley106/Senior_Project August 2016 – May 2018

- Analyzed millions of textbooks to find pricing discrepancies between trade-in price and market value
- Found thousands of profitable transaction scenarios based on these pricing discrepancies
- Technology used: Flask, BS4, Amazon Product API

OutCaptcha | *Chrome extension that solves reCAPTCHA 2.0 without human interaction* **Javascript/Python**
https://github.com/theriley106/outCaptcha June 2018 - July 2018

- Transcribes the audio response from reCAPTCHA's accessibility feature for visually impaired users
- Solves reCAPTCHA 2.0 with a 98%+ success rate | Project has 100+ stars on Github with ~800 weekly views
- Technology used: Javascript, Python, Flask, GCP

Headspace Bandwidth Reducer | *Restructuring audio to reduce server-side bandwidth costs by more than 50%* **Python**
https://github.com/theriley106/Headspace-Bandwidth-Reducer March 2018 - April 2018

- Created an alternate way of structuring audio files from a popular guided meditation app to significantly decrease bandwidth costs with no loss of audio quality
- This personal project gained the interest of several engineers at Headspace, and my web application was voluntarily taken offline in May 2018 with respect to an ongoing dialogue with the company
- Technology used: Flask, FFMPEG, Javascript

Echo Linguistics | *Bringing Third-Party Voice and Language Support to the Amazon Echo* **Python/Javascript**
https://github.com/theriley106/EchoLinguistics February 2018 - April 2018

- First open-source project to successfully enable third-party voice support on Amazon Echo devices
- Enables ~60 additional voices and ~70 additional languages on the Amazon Echo
- Technology used: Python, AWS Lambda, AWS S3, FFMPEG