Christopher Lambert

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https://github.com/theriley106

EXPERIENCE

Lyft — Seattle, WA

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

- Working on the internal productivity team to create tools that make the development cycle more efficient for engineers at Lyft
- Internship duration shortened to 8 weeks due to Covid-19

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

- Working on an internal tool to diagnose hardware/software failures in Tesla's fleet of Model S, Model X, and Model 3 vehicles
- 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
- Technology used: React, Python, Javascript, Ruby

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
- Technology used: Python, Java, Flask, AWS

NCR Corporation — Atlanta, GA

Software Engineering Intern, Software Innovation Lab — January 2019 – May 2019

- Created the backend software for a facial-recognition locker system that was presented to executive level leadership at NCR and numerous outside organizations that utilized NCR products
- Chosen as the spring 2019 "Talented Intern" and was given the opportunity to speak at a company all-hands meeting
- Technology used: Python, Javascript, GCP

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.
- Technology used: Python, Docker, Flask, AWS, Javascript

Tesla — Palo Alto, CA

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

- Recruited for automation role during High School after publishing a popular open-source UI automation project on Github
- Worked with the Firmware team to develop automation infrastructure for the Tesla Model X, S, and 3 Infotainment System
- Technology Used: Python, Ruby, C++, Git, Jira, Jenkins

EDUCATION

Columbia University — New York, NY

Bachelor of Arts; Computer Science (in progress)

- Completing my bachelors degree at Columbia University as a part-time undergraduate student (beginning *Fall 2020)*

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*), MIT Hacking Medicine (*Massachusetts Institute of Technology*), VandyHacks 2019 (*Vanderbilt University*), HackTech 2020 *(California Institute of Technology), LAHacks 2020 (UCLA)*
Organizer/Mentor: CUhackit (*Clemson University*), Stripe Intern Hackathon (*Stripe*)**,** HackGT (*Georgia Institute of Technology*)

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

PATENTS

Apparatus, Method and Article for Prevention of Proximity-Based Device Authentication within a Defined Radius
US Patent Application Number: 62815758 | Provisional Patent Granted by the USPTO in March 2019

PERSONAL PROJECTS

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

- 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

No-Name Bot | *Open-source bot to purchase limited release sneakers* **Python**
https://github.com/theriley106/SneakerBotTutorials *August* 2016 - Present

- 390+ 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

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

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 175+ stars on Github with ~800 weekly views
- Technology used: Javascript, Python, Flask, GCP