

BRIAN LEE

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EXPERIENCE

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|--|---------------------------------------|-------------|
| Software Engineer Intern | Brave Software | Summer 2018 |
| <ul style="list-style-type: none">Added cosmetic filtering to Brave Browser's ad-blocking feature (<i>React, Redux, TypeScript, Chrome Extensions</i>) | | |
| Innovation Developer Intern | Zero Gravity Labs @ LoyaltyOne | Fall 2017 |
| <ul style="list-style-type: none">Used machine learning techniques to identify market opportunities in partner stores (<i>Python, C++</i>)Generated collector and product vectors using AIR MILES transactional data (<i>Apache Spark, Scala</i>) | | |
| Product Manager Intern | Pennvention | Spring 2017 |
| <ul style="list-style-type: none">Managed team to build a startup competition tool with 5,000+ users (<i>Node, PostgreSQL, Bootstrap</i>) | | |
| Software Developer Intern | TekSavvy Solutions | Summer 2016 |
| <ul style="list-style-type: none">Migrated CRM platforms in two weeks (eight-week timeline), reduced company costs by \$4,000+Created automated promotion generation tool for internal marketing team (<i>Angular, C#, SQL</i>) | | |
| Mobile Software Developer | Freelance | 2012 – 2014 |
| <ul style="list-style-type: none">Generated \$10,000+ in app store revenue and prizes with 5,000+ downloadsDeveloped 20+ applications for Google Play and BlackBerry App World (<i>Java</i>) | | |

PROJECTS

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| Cryptocurrency Exchange Arbitrage Research | Employee Project Time | Fall 2017 |
| <ul style="list-style-type: none">Generated ~4% bi-weekly returns during a one-month trial (<i>Apache Spark, Scala, Python</i>)Built exchange order book data collection framework (<i>NodeJS, REST APIs</i>)Presented project at company sponsored lightning talk, available at https://snusite.com/crypto | | |
| FareBuddy | Horizons Hackathon Winner | Spring 2017 |
| <ul style="list-style-type: none">Project leader, built back-end, deployed on HerokuSaves you 10-20% on Uber rides during Surge pricing (<i>NodeJS, MongoDB, Express, jQuery, Bootstrap</i>)Tied together using OAuth 2.0, WGS84, Passport, Uber and Google Maps APIs | | |
| Additional Projects (Available on GitHub) | Event | |
| • Email Tracker and Analytics (<i>Node</i>) | Personal Project | 2017 |
| • Persistent Pages Adware (<i>JavaScript</i>) | TerribleHack Carleton University | 2017 |
| • Blocgame Scripts (<i>JavaScript</i>) | Personal Project | 2016 |
| • BSides CTF 2 nd place (<i>Penetration Testing</i>) | BSides Ottawa Security Conference | 2016 |
| • Magnet Forensics 2 nd place (<i>Reverse Engineering</i>) | Hack the North | 2016 |

TECHNOLOGIES

- Languages:** JavaScript (ES6), Scala, Java, C#, Python 3, HTML5, CSS3
- Frameworks/Libraries:** Apache Spark, Pandas, React, React Native, Redux, Angular, jQuery, Bootstrap
- Datastores:** PostgreSQL, MongoDB, MySQL, Redis
- Tools:** Mocha, Chai, npm, Babel, Webpack, Browserify, git, SSH

EDUCATION

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| Honours BSc Computer Science – 4th Year | University of Ottawa | 2014 - 2020 |
| Horizons Technology Fellowship Program | San Francisco, CA | Spring 2017 |
| <ul style="list-style-type: none">\$10,000 scholarship at undergraduate full-stack bootcamp on software and entrepreneurship | | |