

# Bradley Paknejad

505 W 37th St New York, NY 10018

☎ 610-908-4534 | ✉ b.paknejad17@gmail.com | 💻 bradpaknejad17 | 🌐 bpaknejad17

## Technical Skills

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**Programming:** Python · Java · C# · C/C++ · Swift

**Web:** Tornado · Express · .NET · HTML/CSS/Javascript

**Databases:** BigQuery · MongoDB · Redis · MSSQL · MySQL · Oracle

## Experience

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### Buzzfeed

New York, NY

SOFTWARE ENGINEER - ADS INFRASTRUCTURE

Dec. 2019 - Now

- Developed python based migration service to transfer existing data to new data warehouse as part of internal tool launch leveraging multiple REST endpoints.
- Improved Operative ad revenue calculation accuracy by resolving an internal service bug causing certain products to be omitted from downstream aggregation dashboards.
- Upgraded and modified internal data collection services in accordance with external API changes, including Facebook and Operative
- Implemented monitoring tools through Datadog for ads collection services to streamline future troubleshooting and alert team of failures.

### Vanguard

Malvern, PA

SOFTWARE ENGINEER - FIXED INCOME

Feb. 2018 - Nov. 2019

- Decreased server response time to retrieve Performance reports by 90% for ACTS .NET web app. Improved accuracy of daily excess return calculation logic, saving Analysts several hours worth of manual fixes per month.
- Developed fully automated process to generate daily FX trades for all 20 funds managed by the Index and Derivatives teams. Saved traders multiple hours per week of manually producing SPOT/FWRD orders through excel.
- Implemented daily ETL process to transport Barclay's market data to new MSSQL database using ksh scripts and Control-M.
- Migrated, configured, and deployed Fixed Income web apps/databases to new data center for enterprise wide migration.
- Actively met and communicated directly with Analysts, Traders, and Portfolio Managers regarding requirements, design, and feedback
- Followed agile and scrum methodologies with a focus on test driven development.

### Communications Test Design Inc

West Chester, PA

SOFTWARE ENGINEERING INTERN - MOBILE CONSUMER ELECTRONICS

Jun. 2017 - Aug. 2017

- Developed iOS App using Swift to verify volume control, touch screen, and orientation functionality on iPhone
- Designed C# based GUI to wirelessly communicate with, send commands to, and receive results from iOS App
- Led C# development on iPhone Nighthawk Test System to perform full functional test of 2 iPhones

### Communications Test Design Inc

West Chester, PA

SOFTWARE ENGINEERING INTERN

Jun. 2016 - Aug. 2016

- Developed Proximity Sensor and Bluetooth tests to verify proper functionality on Android phone
- Improved UI of final result screen for CTDI Android test application for greater user feedback and subsequent retesting
- Learned fundamentals of Android App Development and designing apps for varying Android devices / screen sizes

## Projects

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### Equity Trading Bot

VANGUARD HACKATHON (PYTHON 3, SQLITE)

- Developed Python 3 application to recommend when to buy/sell stocks based on historical data and real-time market info
- Application made calls to Alpha Vantage REST API for quotes and stored historical price data in SQLite database

## Education

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Penn State University

State College, PA

B.S. IN COMPUTER SCIENCE

Aug. 2013 - Dec. 2017