Andrey Kaipov

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▬▬▬ Education

Dec 2016 — **BS in Mathematics**, *Florida International University*, Miami, FL, GPA: 3.92.
Honors: Graduated Summa Cum Laude. Inducted into Phi Beta Kappa.
Awards: FIU Ambassador Scholar. Florida Academic Scholar.

Aug 2013 — **Associate in Arts**, *Miami-Dade College*, Miami, FL, GPA: 3.85.
Concentration: Nursing

▬▬▬ Experience

Jan 2017 – Present — **Software Engineer Intern**, *Ultimate Software*, Weston, FL.
Internal Tools & Payroll

- Developed a *MEAN* application to help all of our teams' developers and business analysts visualize and interact with every event emitted from our *CQRS* and *Event Sourced*-oriented micro-services.
- Maintained a legacy internal tool to help teams manage and automate their regression testing. Paved the way on rewriting the tool as a suite of *Spring* micro-services with an *Angular* front-end.
- Strengthened the functional test architecture for the Tax Management team using an internal *.NET* library wrapping the *Selenium* framework.

May 2016 – Aug 2016 — **Software Engineer Intern**, *Best Buy*, Richfield, MN.
User Generated Content

- Automated ingestion of an external NLP API on customer review content via *Spring* batch jobs.
- Republished the ingested data to an internal and scalable *Spring* API for use by any internal teams.
- Researched NLP techniques to some day perform feature extraction and sentiment analysis in-house.

▬▬▬ Projects & Open Source Contributions

Shoutbox Services Suite — A suite of micro-services in charge of scraping real-time messages from a forum's shoutbox.

- Services are background *Node* workers interacting with one another via *RabbitMQ*.
- Goal is to improve web accessibility and UX for users via speech recognition and data visualization.
- `https://github.com/andreykaipov/shoutbox-services-suite`

MongoDB Pool — A small wrapper around the native *MongoDB* Node driver designed to make managing the internal connection pool easier.

- `https://www.npmjs.com/package/mongodb-pool`
- `https://github.com/andreykaipov/mongodb-pool`

Object Editor — A front-end app to edit and play around with `.obj` geometry files.

- Resulted in fixing a few bugs in the *three.js* project's `OBJLoader`.
- `http://kaipov.com/obj-editor`

▬▬▬ Skills & Tools

Languages — JavaScript, TypeScript, Java, Groovy, C, Python, C#.

Frameworks — Angular, RxJS, Bootstrap, Spring, Hibernate, Spock.

Databases — MongoDB, Riak, Oracle, SQL Server.

Miscellaneous — RabbitMQ, Cloud Foundry, Git, LaTeX, Photoshop.