

# 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

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## Experience

- Jan 2017 – Present **Software Engineer Intern**, *Ultimate Software*, Weston, FL.  
*Internal Tools & Payroll*
- Developed a *MEAN* application to aid all of our teams' developers and business analysts visualize and interact with every event emitted from our *CQRS* and *event sourced* ecosystem of microservices.
  - 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.

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## Projects & Open Source Contributions

- Shoutbox Services Suite** A suite of microservices 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>

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## Skills & Tools

- Languages JavaScript, TypeScript, Java, Groovy, C, Ruby, Python, C#.
- Technologies AWS, Docker, Terraform, RabbitMQ, MongoDB, Riak, Oracle, SQL Server, Node, Angular, RxJS, Bootstrap, Spring, Hibernate, Spock, Git,  $\LaTeX$ .