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# DANIEL KONDRATYUK

Boise, USA

## EDUCATION

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**Saarland University (Saarbrücken, Germany)** *July 2019*  
Computational Linguistics MSc

**Charles University (Prague, Czech Republic)** *June 2018*  
Computational Linguistics MSc

**Boise State University (Boise, Idaho, USA)** *May 2017*  
Computer Science BSc, Mathematics Minor  
Distinguished Honors Scholar, Summa Cum Laude, 3.99 GPA

## RESEARCH EXPERIENCE

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**Computer Science Research in Dialogue Systems** September 2016 - Present  
*Boise State University* *Boise, USA*

- Two-semester Honors project to improve existing Dialogue System models.
- Weekly meetings with Computer Science advisor Dr. Casey Kennington, Linguistics PhD.
- Employed as a full-stack software developer for helloaugi.com, funding backed by a research grant.
- Member of the Speech, Language & Interactive Machines (SLIM) research group.

**Computer Science Research in Cryptography & Databases** June 2015 - July 2015  
*Boise State University* *Boise, USA*

- Computer Science Research Experience for Undergraduates in Software Security, two month fellowship.
- Implemented and tested an Integrity Coded Database (ICDB). Wrote Java middleware on top of a MySQL database using RSA, AES, and SHA signatures; benchmarked performance.
- Aided Computer Science Master's student on an improved version (Summer 2016).

**Mathematics Research in Group Theory & Game Theory** February 2015 - May 2015  
*Boise State University* *Boise, USA*

- Mathematics Research Experience for Undergraduates, four month fellowship.
- Motivation for discovering groups that are resistant to specialized adaptive chosen cyphertext attacks.
- Co-presented poster at the Joint Mathematics Meetings (January 2016), the world's top math conference.

## WORK EXPERIENCE

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**Software Engineering Internship** August 2015 - October 2016  
*Sensus Inc.* *Boise, USA*

- Designed and developed several automated integration test applications for a distributed system.
- Tripled the number of automated frontend UI regression tests from 100 to 300.
- Gained additional experience in SCADA/DNP3-based industrial control systems.

## HONORS AND AWARDS

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- **Erasmus Mundus Master's Scholarship** (2017 - 2019). *Language & Communication Technologies*.
- **Outstanding Student Award** (2017). *Boise State University Computer Science Department*.
- **Distinguished Honors** (2017). *Boise State University Honors College*.
- **Computer Science Research Fellowship in Cryptography & Databases** (2015). *Boise State University*. National Science Foundation, Grant No. CNS 1461133.
- **Mathematics Research Fellowship in Group Theory & Game Theory** (2015). *Boise State University*. National Science Foundation, Grant No. DMS 1062857.
- **Dean's Scholarship** (2013 - 2014). *Boise State University*.
- **Robert R. Lee Promise B Scholarship** (2013). *Boise State University*.
- **Boise State Capital Scholarship** (2013). *Boise State University*.

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## PUBLICATIONS

- Kondratyuk, D. (2017, January) **Lets Try Something New: Service Learning in Boise State's Computer Science Department**, *International Journal of Undergraduate Community Engagement*: Vol. 1: Iss. 1, Article 1.
- Kondratyuk, D., Kennington C. (2017, July). **Towards a Dialogue System that Remembers**. Manuscript in preparation.

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## CONFERENCE PRESENTATIONS

- Kondratyuk, D. (2017, April). **Improving the Memory of Intelligent Personal Assistants**. Podium Presentation. *Boise State Undergraduate Research Conference*, Boise, USA.
- Kondratyuk, D. (2017, February). **Improving the Memory of Intelligent Personal Assistants**. Poster presentation. *Boise State Research Computing Days*, Boise, USA.
- Kondratyuk, D., Potter, S. (2016, January). **A Study of Games over Finite Groups**. Poster presentation. *Joint Mathematics Meetings*, Seattle, USA.
- Kondratyuk, D., Rodden, J., Duran, E. (2015, July). **Integrity Coded Databases (ICDB) - An Evaluation of Efficiency, Performance, and Practicality**. Poster presentation. *Idaho Conference on Undergraduate Research*, Boise, USA.
- Kondratyuk, D., Potter, S., Navert, S. (2015, July). **A Study of Games over Finite Groups**. Poster presentation. *Idaho Conference on Undergraduate Research*, Boise, USA.

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## TECHNICAL STRENGTHS

<b>Programming Languages</b>	Java, C#, C, JavaScript, Python, TypeScript, Kotlin
<b>Domain Specific Languages</b>	HTML, CSS, SQL, Cypher
<b>Protocols &amp; APIs</b>	HTTP, WebSocket, JSON, XML
<b>Databases</b>	MySQL, Neo4j
<b>Tools</b>	Git, Vim, LaTeX, Node.js, AWS, Heroku, Unity3D
<b>Frameworks</b>	Angular, Firebase

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## LANGUAGES

<b>English</b>	Native
<b>Russian</b>	Proficient
<b>French</b>	Familiar

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Last updated October, 2017