

# ELEANOR NICOLSON

+1 (415) 937-3240  
e.c.nicolson@gmail.com  
daughter\_ofathena

Mountain View  
//GingerElla  
//in/e-c-nicolson

## Software Engineer

Java ██████████  
L<sup>A</sup>T<sub>E</sub>X ██████████  
Processing ██████  
Python ██████████  
Scala ██████████  
Scheme ██████

Git IntelliJ Markdown MS Office PyCharm

## EDUCATION

08/2014 – 05/2018 **B.A. in Computer Science and B.A. in Classics** [Grinnell College](#)  
Composite GPA: 3.6 / CS GPA: 3.7 / Classics GPA: 3.8

01/2017 – 06/2017 **Associate Student, Greek and Latin** [University College London](#)  
Semester abroad.

06/2015 – 08/2015 **Summer Intensive Greek Workshop** [University of California, Berkeley](#)  
GPA: 4.0 / Equivalent to three semesters of introductory Greek. Attended with the support of Grinnell's [Lalonde Fellowship](#) and one of the few academic awards offered by the Workshop.

## INDUSTRY EXPERIENCE

04/2019 – now **Alexa Local Search–Data, Software Development Engineer.** [Alexa Auto, Amazon Lab126](#)  
"Alexa, find me a coffee shop."  

- **Guided** the foundation of new team: **wrote** the team charter and **defined** team processes.
- **Acted** as Scrum Master.
- **Constructed** a new algorithm for identifying similar entities from different sources.
- **Proposed** new design for our data pipeline with focus on efficiency and incremental builds.
- **Mentored** intern as they implemented a POC of my design for editing entities.
- **Built** a viewing portal for a key taxonomy tree: **reduced** cross-team friction and **eased** developer overhead.

AWS Athena / AWS EMR / AWS S3 / Python / Scala / SQL / Zeppelin

08/2018 – 04/2019 **Alexa Local Search–Platform, Software Development Engineer.** [Alexa Auto, Amazon Lab126](#)  
"Alexa, how far away is the airport?"  

- **Launched** product in new country: **implemented** core feature, **identified** blocking issues, and **resolved** them by working with our partner and **designing** a fall-back option.
- **Integrated** a new data provider to improve the recall and ranking of a specialized category.

AWS Elastic Search / AWS DynamoDB / AWS S3 / Python / Scala

06/2017 – 08/2017 **Software Development Engineering Intern.** [Alexa Voice Services, Amazon Lab126](#)  
**Designed** and **implemented** an automated notification service triggered by system events. Service aimed to reduce friction between internal and external development teams and to expedite the AVS Certification Process. **Presented** design options and design document, **demonstrated** a working POC, and **transferred** ownership.  
AWS DynamoDB / AWS SNS / AWS SQS / HTML / Java

## LANGUAGES

**English** - native  
**Latin** - proficient  
**Attic Greek** - proficient

## HOBBIES

I love to sing and have 10 years of vocal training under my belt. When not traveling, you can usually find me curled up with a good book and a cup of tea.

## FAVORITES

**Song to Sing:** Gerwshin's Summertime  
**Place to Visit:** Prague, Czech Republic  
**Book:** *Aeneid* or *Pride & Prejudice*  
**Tea:** Earl Grey

PLEASE FIND RESEARCH EXPERIENCE AND MISCELLANEOUS EXPERIENCE SECTIONS ON REVERSE.

---

## RESEARCH EXPERIENCE

- 11/2016 – 12/2016      **Course Research Asst.**      [Grinnell College](#)  
**Researched:** the *basic languages* of weaving, crocheting, embroidery, and quilting; how we can *represent* these *computationally*; how tools *manipulate* and *innovate* on languages.  
**Created:** lesson plans, homework, and readings; *manual* for programmed embroidery and accompanying software; packaged versions of *software* for the class.
- 06/2016 – 08/2016      **Research Position.**      [Grinnell College](#)  
**Researched** the state of Computer Science outreach camps and: *organized* and ran a summer coding camp for middle-schoolers; learned how to use and *program* an embroidery machine; *co-authored* papers on our research and the camp we ran.

## MISCELLANEOUS EXPERIENCE

- 08/2016      **Assistant Archivist.**      [Grinnell College](#)  
*30-hr contract job.* Formatted images for a new, online archive of ancient Roman coins.
- 2015 – 2018      **Tutor: Latin, Greek, Computer Science.**      [Grinnell College](#)  
Tutored students in both group and one-on-one settings.
- 2012 – 2018      **Editor.**      **St. Ignatius College Preparatory & Independent**  
*Editor-in-Chief, Managing Editor, independent.* Focused on stylistic, grammatical, and organizational elements.
- 2015 – 2016      **Caterer.**      [Grinnell College](#)  
Prepared, served, and cleaned up catered events.