

ELEANOR NICOLSON

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San Francisco
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Software Engineer

OBJECTIVE

I want to grow as leader, innovator, and engineer, and so I am seeking a team that will push my limits and the limits of the technology we work on. I work best when I am surrounded by curious individuals with high standards, and when we focus on making products that will stand the test of time and improve the lives of their users.

LANGUAGES, PLATFORMS, & TOOLS

Java		Scala	
Kotlin		LaTeX	
Python		Android	

INDUSTRY EXPERIENCE

10/2023 - Present	PMT (Processes, Methods, and Testing) Ensuring safety, quality, and speed. <ul style="list-style-type: none">• Implemented new tests and features in our testing framework.• Designed and launched new process to visualize and monitor integration tests.• Introduced new logging framework and standards for logging and debugging. Python / AWS S3 / AWS Cloudfront / AWS Lambda	Applied Intuition
03/2020 - present	Assistant Platform-Infrastructure & Quality Team. "Okay, Google, take me home." <ul style="list-style-type: none">• Implemented and launched infrastructure improvement to reduce latency for tap-to-read messages.• Designed and instrumented key components of performance measurement tool.• Implemented and maintained conformance testing framework during major migration. Android / Java / Kotlin / Python	Assistant on Auto, Google
04/2019 - 03/2020	Alexa Local Search-Data, Software Development Engineer. "Alexa, find me a coffee shop." <ul style="list-style-type: none">• Proposed new design for our data pipeline with focus on efficiency and incremental builds.• Mentored intern as they implemented a POC I designed to help curate and maintain high quality data.• Built a viewing portal for a key resource: reduced cross-team friction and eased developer overhead. AWS Athena / AWS EMR / AWS S3 / Python / Scala / SQL / Zeppelin	Alexa Auto, Amazon Lab126
08/2018 - 04/2019	Alexa Local Search-Platform, Software Development Engineer. "Alexa, how far away is the airport?" <ul style="list-style-type: none">• Launched product in new country.• Integrated a new data provider to improve the recall and ranking of a specialized category. AWS Elastic Search / AWS DynamoDB / AWS S3 / Python / Scala	Alexa Auto, Amazon Lab126
06/2017 - 08/2017	Software Development Engineering Intern. Designed and implemented an automated notification service triggered by system events. AWS DynamoDB / AWS SNS / AWS SQS / HTML / Java	Alexa Voice Services, Amazon Lab126

EDUCATION

08/2014 - 05/2018	B.A. in Computer Science and B.A. in Classics	Grinnell College
01/2017 - 06/2017	Associate Student, Greek and Latin	University College London
06/2015 - 08/2015	Summer Intensive Greek Workshop	University of California, Berkeley

LANGUAGES

English - native
Latin - proficient
Attic Greek - proficient

HOBBIES

I am a songbird with 10+ years of vocal training under my belt. When not traveling, I'm usually curled up with a good book and a cuppa tea.

FAVORITES

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

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.

PUBLICATIONS

DeWitt et al.: Arts Coding for Social Good: A Pilot Project for Middle-School Outreach DeWitt:2017:ACS:3017680.3017795

Anita DeWitt et al. "Arts Coding for Social Good: A Pilot Project for Middle-School Outreach". In: *Proceedings of the 2017 ACM SIGCSE Technical Symposium on Computer Science Education*. SIGCSE '17. Seattle, Washington, USA: ACM, 2017, pp. 159–164. ISBN: 978-1-4503-4698-6. DOI: 10.1145/3017680.3017795. URL: <http://doi.acm.org/10.1145/3017680.3017795>.

DeWitt et al.: What We Say vs. What They Do: A Comparison of Middle-School Coding Camps in the CS Education Literature and Mainstream Coding Camps (Abstract Only) DeWitt:2017:WSV:3017680.3022434

Anita DeWitt et al. "What We Say vs. What They Do: A Comparison of Middle-School Coding Camps in the CS Education Literature and Mainstream Coding Camps (Abstract Only)". In: *Proceedings of the 2017 ACM SIGCSE Technical Symposium on Computer Science Education*. SIGCSE '17. Seattle, Washington, USA: ACM, 2017, pp. 707–707. ISBN: 978-1-4503-4698-6. DOI: 10.1145/3017680.3022434. URL: <http://doi.acm.org/10.1145/3017680.3022434>.

Wolz et al.: Code Crafters Curriculum: A Textile Crafts Approach To Computer Science (Abstract Only) Wolz:2018:CCC:3159450.3162360

Ursula Wolz et al. "Code Crafters Curriculum: A Textile Crafts Approach To Computer Science (Abstract Only)". In: *Proceedings of the 49th ACM Technical Symposium on Computer Science Education*. SIGCSE '18. Baltimore, Maryland, USA: ACM, 2018, pp. 1055–1055. ISBN: 978-1-4503-5103-4. DOI: 10.1145/3159450.3162360. URL: <http://doi.acm.org/10.1145/3159450.3162360>.