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CAMILLIA SMITH BARNES

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RECENT EXPERIENCE

Google: Software Engineer III   *Cambridge, MA*, 2018–present

- Developed for Google Chrome/Chromium on the Privacy Sandbox team using `C++` (with infra in `Python`)
- Wrote automated unit & integration tests for production code submitted, including `JavaScript` web tests
- Main engineer in implementing the new Shared Storage API (using a `SQLite` backend)
- Implemented new panels for Shared Storage in the DevTools Frontend via `TypeScript`
- Frequently designed new features in addition to maintaining codebase
- Authored ∼170 changelists (including internal code), with ∼12,000 lines deleted & ∼52,000 lines added
- Reviewed ∼100 changelists

University of Science & Arts of Oklahoma: Associate Professor of Mathematics   *Chickasha, OK*, 2015–2018

- Taught 44 courses (17 distinct) & ∼400 students
- Spoke at 2 colloquia & received 1 grant
- Selected courses: Calculus II, III, & IV; Modern Algebra; Linear Algebra; Combinatorics; Mathematical Methods in Physics (with `Mathematica`); Intro Computing (with `VBA`); `Python` Programming

Sweet Briar College: Assistant Professor of Mathematical Sciences   *Sweet Briar, VA*, 2009–2015

- Taught 34 courses (8 distinct) & ∼400 students
- Mentored 8 research students & received 8 grants (2 external)
- Spoke at 9 conferences & 9 colloquia
- Selected courses: Calculus III; Mathematical Statistics; Abstract Algebra; Statistical Reasoning; `Java` Programming

EDUCATION

Harvard University   *Cambridge, MA*

- PHD (*Philosophiae Doctor*), Mathematics   June 2009
- AM (*Artium Magister*), Mathematics   June 2007

University of Cambridge   *Cambridge, UK*

- MAST (*Master of Advanced Study*), Mathematics, *with **Merit***   June 2003

Michigan State University   *East Lansing, MI*

- MS (*Master of Science*), Mathematics   May 2002
- Honors BS (*Bachelor of Science*), Mathematics, *with **Highest Distinction***, Lyman Briggs School   May 2002
- Honors BA (*Bachelor of Arts*), English, *with **Highest Distinction***   August 2002
- Honors BA (*Bachelor of Arts*), French, *with **Highest Distinction***   August 2002

SELECTED AWARDS

Google Foobar Challenge: Completed all 5 levels of invitation-only `Python` programming challenge   *Google*, 2017

AT&T Labs Fellow   *AT&T Labs–Research*, 2003

National Science Foundation Graduate Research Fellow   *National Science Foundation*, 2002

Churchill Scholar   *Winston Churchill Foundation of the United States*, 2002

William Lowell Putnam Competition: Top 500   *Mathematical Association of America*, 2000 & 2001

Alice T. Schafer Mathematics Prize: Honorable Mention   *Association of Women in Mathematics*, 1999

Mathematical Contest in Modeling: Honorable Mention   *Consortium for Mathematics & Its Applications*, 1998 & 1999

Phi Beta Kappa   *Michigan State University*, 1999

National Merit Scholar: John M. Stalnaker Memorial Scholarship   *National Merit Scholarship Corporation*, 1997

SELECTED TECHNICAL SKILLS

Current: `C/C++`; `Python`; `TypeScript`; `JavaScript`; `SQLite`; LaTeX; Former: `Java`; `Swift`; `Mathematica`; `Maple`