

## ARMAGHAN NABI BEHLUM

- PROJECTS**
- LesionPlot (Matlab) July 2013:** Made to analyze the sizes of the lesions in the neurobiology lab where I worked. The program makes a plot of the entire brain or of each slice to show the damaged area.
  - RatSigs/Olveczky Lab Signatures (Java/Android/Python) July 2013:** Application made to show how stereotyped human signatures are. Also developed for the lab where I worked, but as a presentation tool.
  - Mini-Mathematica (Python) May 2013:** Implemented various matrix functions in ways that were faster or more interesting than their naïve and well-known implementations.
  - Laser Light Show (GWBasic) June 2011:** Made a laser light show using mirrors, a laser, stepper motors, and some rewiring to printer ports. Wrote a program to write letters.

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- SKILLS & ABILITIES**
- **Languages:** HTML/CSS/JS, Java, Android, Python, C, PHP, Matlab, Ocaml
  - **Applications/OS:** Windows, Ubuntu/Linux, Git, Emacs, Microsoft Office
  - **Other:** Computer hardware, soldering

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- PROFESSIONAL EXPERIENCE**
- RESEARCH ASSISTANT FOR NEUROBIOLOGY - HARVARD UNIVERSITY**  
January 2012 - August 2013  
Work involved brain surgeries on rats, removal of brains, and analysis of behavior and of brain damage. Summer work involved some programming as outlined in projects.
  - COURSE ASSISTANT FOR MULTIVARIABLE CALCULUS - HARVARD UNIVERSITY**  
September 2012 - May 2013  
Graded homework and lead 1 hour long weekly sections to review material
  - TEACHING FELLOW FOR INTRO TO COMPUTER SCIENCE - HARVARD UNIVERSITY**  
September 2013 - December 2013  
Graded homework and lead 1.5 hour long weekly sections.

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- EDUCATION**
- SEWANHAKA HIGH SCHOOL**  
Graduated with High Honors and as Valedictorian.
  - HARVARD UNIVERSITY - B.A. IN APPLIED MATH WITH FOCUS IN COMPUTER SCIENCE**  
Cumulative GPA: 3.918 | Concentration GPA: 4.00