

Travis L. Branham

tbranham@gmail.com
(202) 374-9549

- OBJECTIVE** To obtain a position in the field of Computer Science, with special interests in applications programming, information processing, and data analysis.
- EDUCATION** *Bachelor of Science*, Computer Science May, 2010
The University of the District of Columbia, Washington, D.C.,
Summa Cum Laude, (Overall GPA: 3.98; in-major GPA: 4.0)
Principal areas of study:
- Artificial Intelligence
 - Robotics
 - Web Technologies
 - C/C++, Python programming
- COMPUTER SKILLS** *Languages:*
C/C++, CSS, HTML, Java, JavaScript, PHP, Python, Ruby, UNIX Shell Scripting
Software & Frameworks:
CLIPS, Django, Google Maps API, L^AT_EX, Ruby on Rails, SciPy/Numpy, Twisted
Network Application Framework, Tekkotsu
Operating Systems:
Linux & other UNIX variants, Mac OS X, Microsoft Windows
- EXPERIENCE** *Research Assistant* 2008-10
Informatics Laboratory, The University of the District of Columbia, Washington, D.C.
Core Skills: Linux, Python, Java, Algorithms, Technical Writing
- Developed and maintained lab website.
 - Managed lab and department servers. (Linux-based environment)
 - Wrote software and conducted experiments in an NSF-funded sensor-based informatics project.
 - Designed a web-based GPS tracking application, using Python and the Twisted Network Application Framework.
 - Co-authored journal articles pertaining to the various projects in the laboratories.
- Laboratory Technician/Research Assistant* 2006-10
Robotics Laboratory, The University of the District of Columbia, Washington, D.C.
Core Skills: Linux, Mac OS X, C++, Image Processing, Public Speaking
- Maintained all lab equipment, including robotics hardware, servers, workstations, and all software packages.
 - Conducted research in behavior-based, autonomous robotics using C++ based robotics frameworks (primarily Tekkotsu).
 - Participated in public outreach functions of the laboratory, particularly to elementary and middle-school students, to foster awareness of robotics research.
- Student Intern* Summers 2007-10
Civil Engineering Dept., & the Water Resource Research Institute, The University of the District of Columbia, Washington, D.C.
Core Skills: Python, SciPy/Numpy, Statistics, Technical Writing, Public Speaking
- Wrote a web-based utility to perform parsing and computer aided statistical analysis of rainfall data.
 - Performed various data-processing duties.
 - Participated in climate-change analysis research projects.

Teaching Assistant/Tutor 2006-10
 Computer Science Dept., The University of the District of Columbia, Washington, D.C.
Core Skills: C++, HTML, Teaching, Time Management, Public Speaking

- Managed labs for professors of:
 - Computer Science I
 - Computer Science II
 - Cognitive Robotics
 - Introduction to Applications
 - Introduction to Computer Science
 - Introduction to Web Development
- Held individual and group tutoring sessions for all Computer Science related courses.

Merchant Integration Specialist 1998-2003
 Amazon.com, Seattle, WA

Core Skills: Perl, UNIX Shell, Databases, Communications, Conflict Resolution

- Maintained a partner catalog of 50,000+ items.
- Responsible for creating, updating and maintaining catalog records, based on various partner product feed updates.
- Created text-based utilities to reformat product feeds from different merchants, making them suitable for upload into the merchants catalog.
- Maintained an open channel of communication between warehouse staff, business teams, merchant partners, and customers to resolve discrepancies in product identification and information.
- Thoroughly investigated discrepancies related to record or inventory management.

Sales Clerk/Section Manager 1997-98
 Tower Books, Bellevue, WA

Core Skills: Sales, Marketing, Inventory Management, Customer Service

- Managed the Business/Self-help book section, including merchandising, and inventory management.
- Responsible for running store operations in the evenings.

SERVICE & AFFILIATIONS	Student Senator, UDC Student Senate	2009-10
	Secretary, Phi Eta Sigma Honors Society, UDC Chapter	2009-10
	Member, Association for Computing Machinery (ACM)	Since 2009
	Computer Science Tutor & Teaching Assistant	2006-10

HONORS & AWARDS	Dean's List	2006-10
	Top Student	Junior & Senior years
	First Place, Google Gadget Competition	Spring 2010
	Second Place, Google Gadget Competition	Spring 2009
	Second Place, Computer Science Olympiad	Spring 2009