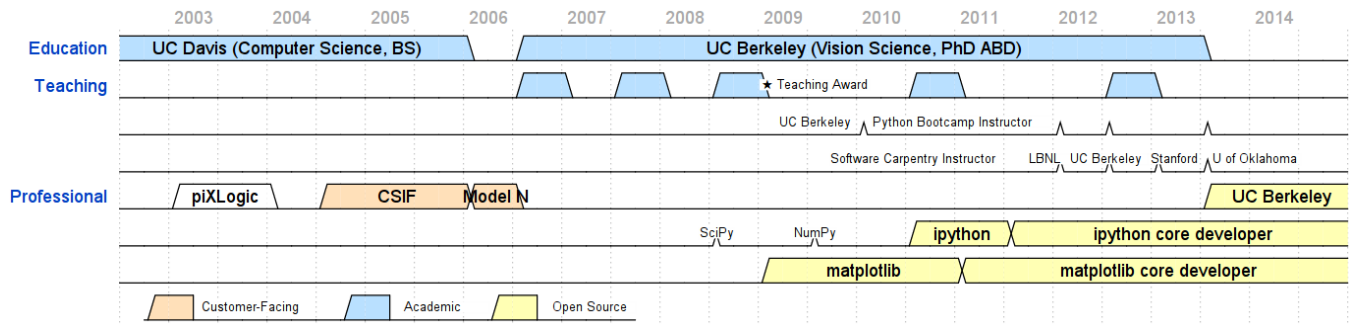


**Paul Ivanov**  
650-XXX-XXXX  
US Citizen

<http://pirsquared.org>  
pi@berkeley.edu  
github: ivanov



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## EDUCATION

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**University of California, Berkeley**  
*Vision Science Graduate Program*  
**University of California, Davis**  
*BS in Computer Science with Honors*

Berkeley, CA  
2006 - 2013  
Davis, CA  
2002 - 2005

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## EXPERIENCE

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### IPYTHON CORE DEVELOPER

UC Berkeley  
09/2011-present

- One of five full-time developers for an interactive computing environment. Recent work includes:
- wrote and integrated javascript test suite into python testing infrastructure
- wrote the user interface tour for IPython 2.0
- provided review and feedback to hundreds of “drive-by” volunteer contributors
- related solo projects: vim-ipython and bipython

### MATPLOTLIB CORE DEVELOPER

UC Berkeley  
01/2011-present

- engaged with users (more than 200 posts to -users and -devel mailing lists)
- provided numerous bug fixes and new examples
- testing infrastructure speedup

### PYTHON AND SOFTWARE CARPENTRY INSTRUCTOR

*ongoing*

- instructor: SWC at Stanford University (2013, 2014), Oklahoma University (2013)
- instructor: UC Berkeley Python Bootcamp (2010, Spring 2012, Fall 2012, Fall 2013)
- guest lecturer: UC Berkeley Python Computing for Data Science (2010, Spring & Fall 2012, 2013)
- TA: SWC at LBNL (Fall 2012, Spring 2013); TA: SWC at UCB (Fall 2012)
- TA: Practical Neuroimaging (Spring 2013)
- TA: IPython Tutorial at SciPy 2011, 2013, PyCon 2012, 2013

**Graduate Student Instructor**

School of Optometry, UC Berkeley

*VS206A Anatomy and Physiology of the Eye**Fall 2012**VS206D Neuroanatomy and Neurophysiology of the Eye**Fall 2012*

- one of two GSIs for the first year Optometry program course series
- primary responsibilities included office hours, review sessions, exam grading

*VS265 Neural Computation**Fall 2010*

- sole GSI for an interdisciplinary Machine Learning graduate course
- held office hours for weekly programming assignments
- graded Matlab and Python code, with homebrew email submission system
- converted previous Matlab-only template to Python equivalent to give students choice

*VS203A Geometric Optics**Fall 2006,2007,2008*

- lead weekly discussion and lab sections for 60+ optometry students
- held office hours, review sessions, prepared own lectures and teaching materials
- graded homework assignments and exams with two other GSIs.
- Outstanding Graduate Student Instructor Award (2008-09)

**NIGHT SUPERVISOR (RESIDENT ADVISOR)**

International House, UC Berkeley

*04/2007-01/2008*

- Weekly midnight-8am shifts, solely tending to every aspect of the entire building.
- Responsible for providing security and assistance as a part of a unique community of nearly 600 residents.
- Some examples include security rounds, general tourist advice, checking residents in/out, lockouts, and emergency maintenance.
- Additional weekly front-desk-only 4 hour shifts providing directions, campus and house information to visitors.

**ASSOCIATE CONSULTANT, PROFESSIONAL SERVICES**

Model N, Inc.

*02/2006-07/2006*

- client-facing software developer
- provided custom solutions for Java enterprise application suite
- Revenue Management in the Pharma and Med Device domain

**VIGRE REU - Prof. Craig Benham**

Department of Mathematics, UC Davis

*05/2005-01/2006*

- Implemented a new exact algorithm for calculating Stress Induced DNA Duplex Destabilization (SIDD)
- Dynamic programming statistical mechanical matrix multiplication method for determining energy state transitions

**RESEARCH ASSISTANT**

Institute for Data Analysis and Visualization (IDAV), UC Davis  
*02/2005-12/2005*

- working with Prof. Nina Amenta
- Tree Set Viz package for Mesquite (evolutionary biology analysis software)
- Maintained and improved program which uses machine learning techniques to visualize sets of evolutionary trees.

**CSIF STUDENT PROGRAMMER**

Department of Computer Science, UC Davis  
*09/2004-12/2005*

- Supported and maintained the Computer Science Instructional Facility (Linux) computers
- Assisted users in resolving any problems

**SUMMER ADVISER**

Advising Services, UC Davis  
*03/2004-09/2004*

- One of 20 students representing the university
- Met with incoming freshmen and their parents
- Provided academic, residence hall, campus, and other information
- Lead tours and advising sessions for students and parents

**READER FOR ECS140A (Professor Su)**

Department of Computer Science, UC Davis  
*03/2004-06/2004*

- Graded written and programming assignments for upper division Programming Languages class

**JAVA WEBAPP DEVELOPER**

piXlogic LLC. ([www.piXlogic.com](http://www.piXlogic.com)) Los Altos, CA  
*06/2003-09/2003*

- Developed the webapp interface to a visual search API
- From an alpha frame, built up a webapp using Java servlets, applets, and JSPs
- Implemented new features and bug fixes

**STUDENT TEACHER FOR SUMMER PROGRAM**

Los Altos High School Los Altos, CA  
*04/2001-08/2001, 04/2002-08/2002*

- Taught incoming high school freshmen algebra, writing, and study skills
- Created the curriculum with 7 other student teachers (after 80 training hours)
- Taught classes with one other student teacher (4 classes a day, 15 students per class)

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**SKILLS**

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**Technical:** Python, JavaScript, C/C++, CUDA, OpenGL, Java, Unix, Machine Learning

**Other:** Fluent in English and Russian, functional French