

# Angus Andrea Grieve-Smith

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## **Developer and problem solver**

- Develop innovative applications for challenging problems
- Adapt existing code for new needs
- Identify, deliver and integrate existing technologies to satisfy customer needs

## **Technology summary:**

*Imperative languages:* Python, PHP, Java, Perl, JavaScript

*Frameworks:* Django, Flask, Android, Tomcat, LAMP, Angular, React, jQuery, Bootstrap

*Declarative languages:* XML, HTML, CSS, VRML, JSON

*Query languages:* MySQL, PostgreSQL, Oracle SQL, Microsoft SQL, Regular expressions

*Operating systems:* Windows, MacOS, RedHat Linux, Ubuntu Linux, IOS, Android

*Development tools:* Git, Jenkins, Eclipse, Android Studio, Vagrant, Emacs, Liquibase

## **Selected professional experience:**

**The New School**, New York, NY.

*Web Developer*, October 2018 - June 2026.

Use PHP and SQL (MySQL, Oracle, Microsoft SQL Server) to create API microservices and webhooks for Print Points, Printer Locations, Photo Consent and Demand Response

Use Javascript to create dynamic, mobile-friendly widgets in the Pathify campus portal

framework for Class Schedules, Grades, Financial Aid, Dining Dollars, Drop Dates and more

Use Java and Javascript to create portlets for the Ellucian Luminis Portal (retired in 2024)

Use PHP to create data provisioning scripts for RemoteLab, TeamDynamix ticketing and Starfish

Use Javascript, React, HTML and CSS in the campusM AEK framework to create dynamic, responsive apps for students, faculty and staff across web, IOS and Android platforms

**Columbia University**, New York, NY.

*Associate Application Systems Developer*, July 2016 - October 2018.

Use Python (Flask), OAuth, Javascript, Bootstrap and Oracle SQL to create LTI tools for teaching and learning

Maintain and extend Perl scripts for ETL conversion of course data feeds; create new feeds

Use Jenkins with shell and Python scripts in combination with GitLab to automate deployment

Extract data from Oracle servers, and REST APIs for Canvas LMS, Jenkins, and others

Use Puppet to reconfigure VMWare virtual servers running RedHat Enterprise Linux

**New York University**, New York, NY.

*Visiting Academic*, February 2013 – August 2020

*Associate Research Scientist*, September – December 2014

*Assistant Research Scientist*, February 2012 – January 2013.

Natural language processing (NLP) for information extraction with Python, Java and AngularJS

**Saint John's University**, Jamaica, NY. Fall 2008 – December 2015.

*Adjunct Assistant Professor* of Languages and Literatures, in classroom and online

**Grieve-Smith Consulting**, Woodside, NY. January 2004 – January 2012.  
*Independent Information Technology Consultant* for nonprofits, businesses and households

**Fund for the City of New York**, New York City. June 2002 – January 2004.  
*Information Technology Support Engineer* for a nonprofit foundation

**LexiQuest**, New York City. July 2000 - July 2001.  
*Technical and Linguistic Consultant* for a computational linguistics technology restart

**University of New Mexico**, Albuquerque. September 1998-June 2000.  
*Programmer/Analyst* to create an interactive sign language synthesis system in Perl and VRML.

**Selected Conference and Meetup Presentations:**

- 2020. "Recording browser audio for LanguageLab," QueensJS, Astoria.
- 2018. "Annotation: U store it." Modern Language Association, New York.
- 2016. "Jargon-term Extraction by Chunking" (with Adam Meyers). NY Python Meetup Group.

**Selected Publications:**

- 2019. *Building a Representative Theater Corpus: a Broader View of Nineteenth-Century French*. London: Palgrave.
- 2008. Effects of language experience on the perception of American Sign Language (co-authored with Jill P. Morford, James MacFarlane, Joshua Staley and Gabriel Waters). *Cognition* 109: 41-53.
- 2002. SignSynth: A Sign Language Synthesis Application Using Web3D and Perl. *Gesture and sign language in human-computer interaction. International Gesture Workshop, GW 2001, London, UK, April 18-20, 2001 Proceedings*. Berlin: Springer.

**Education:**

- The University of New Mexico      Linguistics PhD, August 2009
- The University of Chicago          Linguistics MA, August 1994
- Binghamton University (SUNY)    Linguistics and Languages BA, May 1993

**Organizations:**

**The New York Tech Karaoke Meetup**

*Member*, 2019 - Present; *Organizer*, 2022 - Present

Fun, creative networking for technology professionals and friends, in person and online

**Public technology projects:**

**LanguageLab** (Python/Django/Javascript/React): Web-based language learning through mimicry and repetition

**Contagion** (Python/Django/Javascript): Public aggregator for infectious disease data

**spectacles\_xix** (Python/MySQL): Twitter bot that announces plays that premiered on this day two hundred years ago in Paris.

**EveryTreeNYC** (Python): Twitter bot that delivers a Google Street View of every street tree

**Anno2-Storage** (Python/Django REST/Postgres): Backend API for AnnotatorJS annotations