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## Software Engineering Experience

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**Mypy** – [github.com/python/mypy](https://github.com/python/mypy) 2016 – present

*Core contributor*

- Corrected bugs in type checking logic
- Added support for Python 3.3/3.4 through modifications to typed\_ast C extension
- Added support for using python packages for type checking
- Regular participant in Python static typing meetups

**TranslucentTB** – [github.com/TranslucentTB/TranslucentTB](https://github.com/TranslucentTB/TranslucentTB) 2016 – present

*Lead developer*

- Lead team of international developers
- Implemented program that interacts with Win32 C API
- Program has been downloaded over 220,000 times to date

**CalHacks** – <https://calhacks.io> 2016, 2017

*Mentor*

- Highest rated mentor by teams
- Mentored dozens of teams in Android development, API design, and Python

**Geenie** – **Personal Team Project** 2016

*Backend developer*

- Used Firebase and Stripe APIs to develop robust payment handling system
- Backend was written in Node.js and ExpressJS

**Lawrence Hall of Science** – **Berkeley, CA** 2014 – 2016

*Research Intern*

- Designed “paper mechatronic” kits including design software, Arduino based controllers, and guidance for building mechanical devices using cardboard materials.

## Technical Skills

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**Languages:** Python (4 yrs.), C/C++ (2yrs.), Kotlin, C#, Java (1 yr. each).

**Platforms:** Experience using Win32 API, UNIX, and bash.

**Other:** Git workflow, Python static typing, Cython.

## Education

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**University of California, Berkeley** Spring 2020

- Bachelors of Science in Electrical Engineering and Computer Science
- Alumni University Scholar 2016 – 17
- Coursework in Python, Java and C programming, Data Structures, Machine Structures, Electrical Engineering, Multivariable Calculus, and Linear Algebra

## Presentations and Publications

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- “What is Static Typing in Python?” – Panel Member– PyBay August 2017
- “Learn how to use Static Typing in Python 3.6” – SF Python October 2017
- Python Enhancement Proposal 561 - Distributing and Packaging Type Information September 2017

## Awards and Recognitions

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- “Scotty Award” for problem solving excellence: Lawrence Hall of Science in Berkeley, CA 2014
- Eagle Scout Award with Bronze Palm 2015