

# PHILIP NGUYEN


I am currently a Research Assistant for the [ABCD Study](#) at University of Vermont. I like data, reading, writing, programming, meditation, and long walks in nature.

## EDUCATION

- Present  
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2018


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**Continuing Education Student**  
University of Vermont

 Burlington, VT
- Data Science
  - Calculus
  - Statistics
  - Applied Linear Algebra
  - Science and Nature Writing
- 2015  
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2013

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**B.A., Psychology**  
University of California, Santa Barbara


 Goleta, CA
- Psychopathology
  - Advanced Statistical Methods
  - Cognitive Development

## PROFESSIONAL EXPERIENCE

- Present  
|  
2018


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**Research Project Assistant**  
Adolescent Brain Cognitive Development Study

 Burlington, VT
- Wrangle large datasets, perform exploratory and inferential analysis, create visualizations.
  - Develop and maintain in-house R Shiny Apps (ABCD Data Explorer and ABCD Data Dictionary).
  - Teach R to undergraduate and graduate students.
  - Manage, train, and schedule part-time staff.
  - Administer neurocognitive tasks and surveys, collect biological specimens, and facilitate MRI scans for youth ages 9 - 12.
  - Screen and schedule participant annual follow-up visits.
- 2017  
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2016


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**AmeriCorps Corps Member**  
City Year New Hampshire

 Manchester, NH
- Assisted classroom teacher by engaging students and developing lesson plans.
  - Planned and facilitated small-group tutoring and mentoring sessions targeted to specific learning objectives in attendance, reading, math, and socio-emotional skills.
  - Coordinated whole-school and community outreach events.
  - Lead weekly First Lego League after-school robotics program.
  - Taught and practice mindfulness meditation with students.
- 2016  
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2015

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**Utilization Review Coordinator**  
Recovery Road Medical Center

 Santa Barbara, CA
- Reviewed patient treatment progress with small team of doctors and therapists to determine continued length of stay in inpatient setting.
  - Advocated for our patients to health insurance case managers.

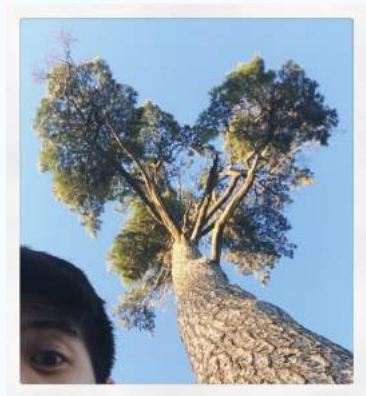
## TEACHING EXPERIENCE

- 2019





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**Introduction to R and Tidyverse Workshop**  
Adolescent Brain Cognitive Development Study

 Burlington, VT
- Organized and taught R and Tidyverse in-house workshops for undergraduate and graduate students working for the ABCD Study.



## CONTACT



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 (714) 724-5804

## SKILLS

R and the Tidyverse.




Statistical analysis, data wrangling, data management, and data visualization.

Familiar with Bash, Python, Javascript, and MATLAB.

- 2017 ● **Fishing Instructor**  
Camp Laurel  Mt. Vernon, ME  
· Taught fishing to youth ages 7 - 14 at a summer camp in Maine.
- 2017 ● **Mindfulness for Children**  
City Year New Hampshire  Manchester, NH  
· Developed and lead a daily post-lunch program that introduced students (and my co-teacher) to mindfulness through mindful eating, listening, reflection, and meditation.



## SELECTED PROJECTS, PUBLICATIONS, AND POSTERS

- 2020  
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2019 ● **The ABCD Brain Analysis Tool**  
 University of Vermont  
· Created Graphical User Interface (GUI) in Matlab that allows researchers without neuroimaging expertise to conduct brain analyses using ABCD Study data.  
· Philip Nguyen, BA; Hugh Garavan, PhD; Alexandra Potter, PhD; Bader Chaarani, PhD
- 2019 ● **Differences in Cognition and BOLD Signal Related to Early Stages of Puberty**  
Organization for Human Brain Mapping  Rome, Italy  
· Poster for 2019 Organization for Human Brain Mapping international conference.  
· Philip Nguyen, BA; Bader Chaarani, PhD; Hannah Loso, BA; Shana Adise, PhD; Julie Dumas, PhD; Hugh Garavan, PhD; Alexandra Potter, PhD
- 2019 ● **Preprint: To what extent do biological, perinatal, sociodemographic, psychological, and lifestyle factors predict BMI in children?**  
 University of Vermont  
· Performed literature reviews and created tables and plots.  
· Shana Adise PhD; Janice Bunn, PhD; Philip Nguyen BA; Jennifer Laurent, PhD; Nicholas Allgaier, PhD; Dekang Yuan, BS; Scott Mackey, PhD; Bader Chaarani, PhD; Stephen Higgins, PhD; Alexandra Potter, PhD; Hugh Garavan, PhD