

# Nathan Blair

818-404-0613 • nblair@berkeley.edu  
2650 Durant Avenue, Unit 1 Putnam 106,  
Berkeley CA, 94720

## Education

### University of California, Berkeley

B.S. Electrical Engineering and Computer Science

August 2016 – Present  
Berkeley, CA

#### Relevant Coursework:

- CS98 (Web Development), CS61A (The Structure and Interpretation of Computer Programs), CS61B (Data Structures), EE16A (Designing Info Devices and Systems), EE16B (Designing Info Devices and Systems II), Math 53 (Multivariable Calculus), Math 54 (Linear Algebra and Differential Equations)

## Professional Experience

### Research Assistant – California Institute of Technology/JPL

June 2014 – June 2016  
Pasadena, CA

- Collaborated with the NEOWISE team at IPAC (Caltech)
- “Stacked” images of likely comets at their rates of motion, increasing signal-to-noise ratio and making them easier to authenticate
- Independently located more than 35 comets previously undetected by the NEOWISE satellite
- Performed routine quality assurance checks on minor planet candidates before forwarding confirmed objects to the Minor Planet Center
- Compiled a list of refereed journal articles that referenced NEOWISE figures

### Calhat Enterprises – Co-Founder

August 2016 – Present  
Berkeley, CA

- Design, sell, and distribute hats that read “calhat”
- Spearhead website construction and marketing
- Communicate with manufacturers
- Brokered franchised branches at UC Santa Cruz, CSU Chico, Syracuse University, and San Diego State University

## Projects

### Scheme Interpreter

November 2016

- Fully functional Scheme interpreter written in Python

### all.calhat.com (under construction)

Fall, 2016 – Present

- The official website for all of calhat’s branches
- Customers can choose their hat color and place an order

### Asteroid Run

July, 2016 – Present

- IOS app written in Objective C in which a UFO bounces through an asteroid field

## Published Work

### Co-Author

October 2015  
Pasadena, CA

- “The NEOWISE-Discovered Comet Population and the CO+CO<sub>2</sub> Production Rates.” published in The Astrophysical Journal

## Skills

### Programming Languages

- Python, Java, HTML, CSS, JavaScript, Objective C, Scheme/Lisp, SQL, Matlab

### Programs

- Github, Adobe Photoshop, Final Cut Pro, Microsoft Office, XCode

### Social Media

- Instagram, Snapchat, Facebook

## Interests

- Game Design
- Web Development
- Skiing
- Table Tennis
- Piano
- Entrepreneurship
- Science Fiction Books
- Astronomy
- Abstraction

## Awards

- National AP Scholar
- Cleveland High School Valedictorian
- Cleveland High School Scholar Athlete Award for Outstanding Citizenship and Leadership