

# THARATORN SUPASITI

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Full-stack Web Developer, a mathematician and a climbing route setter with focus on the backend. An intelligent and collaborative problem-solver with a PhD in pure mathematics from the University of Melbourne. Skilled in Javascript, Node, with a Full-stack Web Development Certificate from Monash University. A supportive and empathetic leader with a passion for using data to make better decisions.

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## TECHNICAL SKILLS

**Languages:** JavaScript/Typescript, HTML5, CSS, Python, C#

**Applications:** GitHub, MongoDB, MySQL

**Tools:** React, GraphQL, Node, Express, .NET Core, Xamarin Forms, Keras, Tensorflow, Opencv, Numpy

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## PROJECTS

**Lend It Forward:** [lend-it-forward.herokuapp.com](https://lend-it-forward.herokuapp.com) | [github.com/Supasiti/lend-it-forward](https://github.com/Supasiti/lend-it-forward)

- A web app allows each user to create and manage their own library of borrowable items that other people can borrow.
- **Role:** Sole developer
- **Tech Stack:** *React, Node, MongoDB, JavaScript, GraphQL, Chakra UI*

**Boulder Live:** [github.com/Supasiti/boulder-live](https://github.com/Supasiti/boulder-live)

- A web app that allows a climbing competition organiser to host an event so that any competitors can update their own scores.
- currently in development
- **Role:** Sole developer
- **Tech Stack:** *React, Node, MongoDB, JavaScript*

**Bee Strong:** [bee-strong.herokuapp.com](https://bee-strong.herokuapp.com) | [github.com/raven-bootcamp/bee-strong](https://github.com/raven-bootcamp/bee-strong)

- A web app that allows a trainer to post their fitness content so that students can view and use the content that they offer.
- **Role:** Backend developer
- **Tech Stack:** *Handlebars, Node, MySQL, JavaScript*

**Co-founder, Climbing Portal**

- Developed basic machine learning algorithms for image segmentation using Keras/Tensorflow library in Python.
- **Role:** ML developer
- **Tech Stack:** *Python, Tensorflow, Keras*

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## EDUCATION

**Certificate in Full Stack Web Development:** *Monash University, Nov 2021*

- A 24-week intensive program focused on gaining technical programming skills in HTML5, CSS3, Javascript, Node, MySQL, MongoDB, Express, React and GraphQL

**PhD in Pure Mathematics:** *University of Melbourne, Nov 2014*

- Completed PhD in Geometric Group Theory and Low-Dimensional Topology titled: '*Flats and Essential Tori in Spaces with Polyhedral Metrics*'
- Awarded the Science Faculty Scholarship (2009)

**Bachelor of Science (Honours):** *University of Melbourne, Nov 2008*

- 86.37%, First Class Honours
- Completed Honours thesis in Pure Mathematics titled: '*Tree for  $SL(2, C((t)))$* '
- Awarded the Melbourne Abroad Scholarship to study at Imperial College, London (September 2006 to June 2007)
- Recognised on the Dean's Honour List (2003, 2004, 2005)

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**EXPERIENCE**

**Head Route Setter**

*Jul 2020 to Present*

*Crux Bouldering, Melbourne*

Responsible for supervising and managing a team of route setters to design high-quality indoor climbing routes in a bouldering gym in Coburg North.

**Key Accomplishments:**

- Successfully trains new route setters from ground up during pandemic disruption.
- Coordinated Crux's first major climbing event
- Designs and implements solutions to improve business operations.

**Founder**

*Jan 2018 to 2020*

*SendLAB, Melbourne*

Founded a coaching service and designed personalised training programs for clients seeking to improve their climbing ability.

**Key Accomplishments:**

- Contracted to set indoor climbing routes for the opening of Archer Boulders in Kalgoorlie, Western Australia.

**Climbing Instructor**

*Mar 2016 to Oct 2020*

*Northside Boulders, Melbourne*

Key responsibilities included setting indoor climbing routes, handling customer service and managing the gym environment.

**Key Accomplishments:**

- Was invited as a route setter for the 2016 and 2019 Victorian Boulder Titles.
- Awarded top prize in 2016 Northside Setter's Competition.