THINKING THROUGH DRAWING
Works on Paper, Drawings & Sketchbooks From the Collection and Community

AUGUST 31, 2021 - DECEMBER 5, 2021
LUAG Main Gallery, Zoellner Arts Center & The South Bethlehem Greenway
Abbay Elaine Rosko

Old pets, 2020

Graphite on paper
Afiwa Afandalo

Longing for Self, 2021

Charcoal on paper
Agnes den Hartogh

the Wonderphone, 2020

watercolor and pencil
Alexia Drey
A Day at Bake Oven Knob, 2020
charcoal
A Day at Bake Oven Knob
Alexia Drey
Alyssa Klinger
Color Mania, 2021
colored pencil
Andrea Jones

Crying in Vain, 2021

graphite and digital
Andrew Bulman
Fierce Dragon, M'Lord!, 2021
graphite on paper
Andrew Hutchinson
Golden Gate, 2021
graphite on paper
Angela Melchionne
Fox, 2021
colored pencil on paper
Anna Kuo

Two Boys, 2021

mixed media
Anthony Viscardi

_Duomo and Campanile_

_Firenze, Italy, 2013_

_ink on Fabriano_
Audrey Yerrington
Patterns, 2021
marker on paper
Brandon H Nguyen
Tattoo and Artist, 2021
digital art
Brenda Gadow
Azalea Three, 2021
posca pen and acrylic
Caroline Falowski

Penguin Searching for Food, 2021

graphite and colored pencil on paper
Carolyn Brior
Mary Jane, 2021
graphite and charcoal
Christopher William Haga

Hand Sketches, 2020

pen and paper
Ciara Gallagher

Customs, 2021

construction paper on bristol paper
Colleen Campbell
Swaying Trees, 2020
micron pen and watercolor
Corianne Thompson

Fight or Flight, 2021

charcoal
Craig D Newick
House for the Jersey Meadows, 1998
charcoal on paper
Davon Providence
Grandma, 2016
acrylic paint
Ed Courrier
"You'll Be Needing These ...",
2020
pen & ink/digitally rendered
YOU’LL BE NEEDING THESE ...
Elena Yerrington
Whimsy, 2021
paper and alcohol markers
Elizabeth Hutchinson
Your Adventure Awaits, 2020
pencil and paper
Emma Cook
Southern Hemisphere Sun, 2021
digital art
Emma Kaiser
Personal Narrative Collage,
2021
digital art
Greetings from Texas
Erica Fischer
Falling Through the Forest, 2020
water based ink on Japanese paper
Frederick Wright Jones

"Complicit Complacent" from series

"Interview with my White Half," 2021

pencil and ink on paper
Jacqueline Thomas
Learning, 2021
digital illustration
Jaime Bloss

Color Wheel, 2020

watercolor and ink
Jeff Waterhouse
The 3 Amigos, 2020
pencil
Ji Ho Choi

Polkadot World, 2021
digital art
Joe Ciardiello
Beckett, 2020
pen & ink, watercolor and colored pencil
Judith Fritchman

Taking the Lead, 2016

conté pencil and pastel on red-orange paper
Juliette Tenebruso
Window to the Soul, 2020
pencil
Katharine Shelly
Mr. Micocosos, 2018
pen and marker
Kathi Ember
Charley, 2021
digital art
Kathy Ford
Messages, 2014
acrylic
Kathy Lund
Purple Haze, 2019
colored pencils over watercolor
Katie Arnold
Pink Moon, 2019
pen, pencil, watercolor
I saw it written. I saw it say 'pink moon is on its way.' And none of you should tell anyone. You can tell me.
Kayla C Trusk
Bombus sonorus, 2021
watercolor, ink, gel pen
Kelly McCallister
The Notan, 2021
construction paper
Kimberly Tanzos
Twined, 2021
ink and colored pencil
Kristen T. Woodward
Valentine, 2018
mixed media on handmade papers
Larkin Deal
Ladders, 2019
gel pens, sharpie, crayon, stamps
Lauren Kuhn

*Backstage Trio, 2021*

pencil and white chalk on gray toned paper
Lee Levin-Friend

Japanese Crane, 2020

watercolor and ink
Les Fletcher
A Fire Burning Low (variation), 2020
graphite pencil and watercolor paints
Lila Hewitt

Me and my brother (age 3), 2021

pencil and marker
Linda Ganus
Watcher Angel, 2020
graphite on birch panel
Lindsay Woodruff
*Untitled*, 1997

colored pencils and marker
Lucy Gans

Murder/Suicide, 2014

graphite, watercolor and gouache on paper
Maciek Albrecht
Meditation 08, 2021
black and white line drawing
Marcella Blanchato
A Spoonful of Honey, 2021
white and black charcoal
Maria Kazakia
Farmer’s market NY City, 2015
carbon
Mary Newbegin

Eucalyptus Leaves, 2020

pencil
Maryann Riker
“Social Distancing,” 2021
mixed media
MaryJo
Rosania-Harvie

Drawing Meditation, 2021
digital drawing
Mateo Perez
Self-Portrait, 2021
ink on paper
Melina Mitsogiorgakis
PA 31 300, 2021
Graphite Pencil
Melyssa Brazzerzero
Pip!, 2021
india ink on paper
Monica D. Salazar
Doodoling the Dodo, 2017
graphite on paper
Nicole Gencarelli
Foliage I, 2020
pen
Paige Zimmerman
Vortex, 2020
colored pencil
Pat Deluva
The Green Jar, 2020
charcoal and conté
Pat Southern-Pearce

The Hunting Lodge, Bracewell, Barnoldswick. Drawn from my mini, on a sunny day, 2020

pen, watercolor and colored pencils
Paul M Nicholson
cake with cigarettes on it,
2021
oil on paper
Philip Kain

doodle, 2021

ink and marker on paper
<table>
<thead>
<tr>
<th>M</th>
<th>T</th>
<th>W</th>
<th>Th</th>
<th>F</th>
<th>S</th>
<th>Su</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
</tr>
<tr>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
<td>21</td>
</tr>
<tr>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
</tr>
<tr>
<td>29</td>
<td>30</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
</tbody>
</table>

Preceded by state.
Worth offers something.
Postcott says $10 is only one.
No other.
Worth offers again.
Philip Schilling
Karmic Mountain, 2007
pencil and charcoal
Polette A Dorman
2 Birds, 2021
Watercolor & feather on paper
Preethy Jayant
Waves of Blue, 2021
acrylic on canvas
Rachel Houck
Love, 2021
drawing, painting and Photoshop
Rokia Whitehouse
The Mountain Woods, 2021
pen and ink on paper
Rosanne B. McGinn
To Explore, 2020
pen on paper
Rose Murphy

Mommy Bird Laying Eggs on the Mountain

Where She Lives and It's Sunset, 2021

pen and crayon on paper
Ruby Grace Romero
Hair Pop, 2021
pencil, sharpie and paints
Sammy Wendland
Senior Moment, 2021
colored pencil
Sampson Woodruff
Drawing of a piece of the world or a person holding a thought, 2018
pen on paper
Sawyer Hewitt

Desk with bowl and flowers, 2021

pencil and crayon
Sharon M Gross
Citrus limon, 2021
micron pen on paper
Stacy Creyer
Mother and Child, 2009
graphite
Tara M Santoro
Acting!, 2020
watercolor and ink
Tessa Laverty
Sparkle the Painted Lady Butterfly, 2021
crayon and pencil on paper
Thania Inoa De Jesus
Mamá, 2018
graphite pencils on paper
Tony Sienzant
Chess on the Moon,
1976
pen and ink
Veronica Lawlor
pen and ink and brush with acrylic paint
Winnie Deal
Scribble, 2020
watercolor
(a) A segment of the robot and some of its features. A segment corresponds to a vertex in the contact-augmented graph, $G$.

(b) All the 15 successors of a segment. This example is with discretization by $\pi/8$ in orientation and $0.5$ in extension fraction. Overlapped successor segments are in transparent colors.

(c) Vertices and edges in the graph corresponding to segments in the Figure 7b. The cost of an edge is the projected length on the reference path.

Fig. 7 A segment as a vertex in contact-augmented graph, and its successors.
THINKING THROUGH DRAWING

Works on Paper, Drawings & Sketchbooks From the Collection and Community

AUGUST 31, 2021 - DECEMBER 5, 2021
LUAG Main Gallery, Zoellner Arts Center & The South Bethlehem Greenway
Zach Boop
xjs-V12, 2021
pencil
Zena Meighan

Untitled, 2020

digital
Zoey Sobrinski
Girl Power on the Greenway, 2021

sketch book paper with pencil and colored